Seq. No.	9470	Seq. ID	OJ991020_05.0222.C31
Gene No.	20275	Strand	+
Start	9943	End	10408
Name	OJ991020_05.0222.C31.o2.gp	Method	AAT/GAP
Start	9943	End	10408
GI	none	Score	840
Exons	9943..10408		

Seq. No.	9470	Seq. ID	OJ991020_05.0222.C31
Gene No.	20276	Strand	-
Start	1438	End	1692
Name	OJ991020_05.0222.C31.o1.gs	Method	GENSCAN
Start	1438	End	1692
GI	none	Score	.93
Exons	1438..1692		

Seq. No.	9470	Seq. ID	OJ991020_05.0222.C31
Gene No.	20277	Strand	-
Start	2393	End	2965
Name	OJ991020_05.0222.C31.o2.gs	Method	GENSCAN
Start	2393	End	2965
GI	none	Score	.99
Exons	2393..2965		

Seq. No.	9470	Seq. ID	OJ991020_05.0222.C31
Gene No.	20278	Strand	-
Start	12674	End	13630
Name	OJ991020_05.0222.C31.o4.tm	Method	TBLASTX:Maize
Start	2663	End	2840
GI	none	Score	218
Exons	2663..2818, 2665..2817, 2723..2818, 2766..2840, 2767..2820		

Seq. No.	9470	Seq. ID	OJ991020_05.0222.C31
Gene No.	20278	Strand	-
Start	12674	End	13630
Name	OJ991020_05.0222.C31.o5.tm	Method	TBLASTX:Maize
Start	6427	End	6774
GI	none	Score	162
Exons	6427..6681, 6434..6640, 6454..6681, 6717..6773, 6724..6774		

Seq. No.	9470	Seq. ID	OJ991020_05.0222.C31
Gene No.	20278	Strand	-
Start	12674	End	13630
Name	OJ991020_05.0222.C31.o1.tc	Method	TBLASTX:Cress
Start	6775	End	8067
GI	none	Score	366
Exons	6775..7059, 6776..7066, 6782..7063, 7042..7152, 7073..7162, 7164..7277, 7168..7464, 7170..7277, 7207..7557, 7211..7654, 7697..7816, 7699..7758, 7924..8067, 7928..8065		

Seq. No.	9470	Seq. ID	OJ991020_05.0222.C31
Gene No.	20278	Strand	-
Start	12674	End	13630
Name	OJ991020_05.0222.C31.o1.tm	Method	TBLASTX:Maize
Start	6776	End	8092
GI	none	Score	369
Exons	6776..7069, 6796..7062, 6965..7063, 7042..7152, 7064..7531,		

7067..7162, 7074..7472, 7210..7611, 7211..7567, 7646..8092,
7702..7761, 7869..7964, 7891..8073, 7943..8077

Seq. No.	9470	Seq. ID	OJ991020_05.0222.C31
Gene No.	20278	Strand	-
Start	12674	End	13630
Name	OJ991020_05.0222.C31.o1.ts	Method	TBLASTX:Soybean
Start	6776	End	8059
GI	none	Score	352
Exons	6776..7069, 6796..7068, 7042..7152, 7073..7162, 7207..7587, 7211..7582, 7700..7783, 7883..8059, 7906..8055		

Seq. No.	9470	Seq. ID	OJ991020_05.0222.C31
Gene No.	20278	Strand	-
Start	12674	End	13630
Name	OJ991020_05.0222.C31.o2.tw	Method	TBLASTX:Wheat
Start	6781	End	6982
GI	none	Score	203
Exons	6781..6975, 6785..6982		

Seq. No.	9470	Seq. ID	OJ991020_05.0222.C31
Gene No.	20278	Strand	-
Start	12674	End	13630
Name	OJ991020_05.0222.C31.o1.tw	Method	TBLASTX:Wheat
Start	6986	End	7378
GI	none	Score	155
Exons	6986..7162, 7021..7140, 7026..7226, 7271..7378, 7273..7374		

Seq. No.	9470	Seq. ID	OJ991020_05.0222.C31
Gene No.	20278	Strand	-
Start	12674	End	13630
Name	OJ991020_05.0222.C31.o2.tm	Method	TBLASTX:Maize
Start	9838	End	10105
GI	none	Score	289
Exons	9838..9972, 9839..10087, 9852..10016, 9869..10105		

Seq. No.	9470	Seq. ID	OJ991020_05.0222.C31
Gene No.	20278	Strand	-
Start	12674	End	13630
Name	OJ991020_05.0222.C31.o3.tm	Method	TBLASTX:Maize
Start	10742	End	11051
GI	none	Score	100
Exons	10742..10915, 10749..10919, 10755..10829, 10816..10920, 10926..11048, 10926..11051		

Seq. No.	9470	Seq. ID	OJ991020_05.0222.C31
Gene No.	20278	Strand	-
Start	12674	End	13630
Name	OJ991020_05.0222.C31.o4.gs	Method	GENSCAN
Start	12674	End	13630
GI	none	Score	.82
Exons	12674..13503, 13561..13630		

Seq. No.	9471	Seq. ID	OJ991020_05.0222.C32
Gene No.	20279	Strand	-
Start	102	End	1378
Name	OJ991020_05.0222.C32.o1.gs	Method	GENSCAN

Start	102	End	1120
GI	none	Score	.7
Exons	102..338, 1036..1120		

Seq. No.	9471	Seq. ID	OJ991020_05.0222.C32
Gene No.	20279	Strand	-
Start	102	End	1378
Name	OJ991020_05.0222.C32.o1.tm	Method	TBLASTX:Maize
Start	987	End	1378
GI	none	Score	209
Exons	987..1310, 991..1335, 992..1336, 1306..1377, 1340..1378		

Seq. No.	9472	Seq. ID	OJ991020_05.0222.C33
Gene No.	20280	Strand	+
Start	71	End	582
Name	OJ991020_05.0222.C33.o1.gs	Method	GENSCAN
Start	71	End	582
GI	none	Score	.81
Exons	71..333, 417..582		

Seq. No.	9473	Seq. ID	OJ991020_05.0222.C34
Gene No.	20281	Strand	-
Start	343	End	631
Name	OJ991020_05.0222.C34.o1.gs	Method	GENSCAN
Start	343	End	631
GI	none	Score	.41
Exons	343..631		

Seq. No.	9474	Seq. ID	OJ991020_05.0222.C35
Gene No.	20282	Strand	-
Start	205	End	659
Name	OJ991020_05.0222.C35.o1.gp	Method	AAT/GAP
Start	205	End	659
GI	95437_1.R1084	Score	762
Exons	205..659		
GI Descrip.	'4512226/dbj|AB014738.1|AB014738 1.0e-134 Oryza sativa gypsy-type retrotransposon RIRE3 DNA, internal region, complete sequence'		

Seq. No.	9475	Seq. ID	OJ991020_05.0222.C36
Gene No.	20283	Strand	+
Start	3330	End	7421
Name	OJ991020_05.0222.C36.o1.gs	Method	GENSCAN
Start	3330	End	7421
GI	none	Score	.78
Exons	3330..3365, 4532..5658, 6475..6595, 7023..7107, 7185..7421		

Seq. No.	9476	Seq. ID	OJ991020_05.0222.C37
Gene No.	20284	Strand	+
Start	435	End	726
Name	OJ991020_05.0222.C37.o1.gs	Method	GENSCAN
Start	435	End	726
GI	none	Score	.76
Exons	435..506, 644..726		

Seq. No.	9477	Seq. ID	OJ991110_09.0222.C1
Gene No.	20285	Strand	+

Start	6253	End	7761
Name	OJ991110_09.0222.C1.o2.gs	Method	GENSCAN
Start	6253	End	7761
GI	none	Score	.78
Exons	6253..6406, 6495..6776, 7097..7361, 7623..7761		

Seq. No.	9477	Seq. ID	OJ991110_09.0222.C1
Gene No.	20286	Strand	-
Start	1	End	4000
Name	OJ991110_09.0222.C1.o1.np	Method	AAT/NAP
Start	1	End	567
GI	3482940	Score	274
Exons	1..301, 354..567		
GI Descrip.	(AC005315) putative ligand-gated ion channel protein [Arabidopsis thaliana]		

Seq. No.	9477	Seq. ID	OJ991110_09.0222.C1
Gene No.	20286	Strand	-
Start	1	End	4000
Name	OJ991110_09.0222.C1.o1.gs	Method	GENSCAN
Start	164	End	4000
GI	none	Score	.74
Exons	164..289, 372..625, 3081..3157, 3939..4000		

Seq. No.	9477	Seq. ID	OJ991110_09.0222.C1
Gene No.	20287	Strand	-
Start	5949	End	6403
Name	OJ991110_09.0222.C1.o1.gp	Method	AAT/GAP
Start	5949	End	6403
GI	none	Score	877
Exons	5949..6403		

Seq. No.	9477	Seq. ID	OJ991110_09.0222.C1
Gene No.	20288	Strand	-
Start	7106	End	17516
Name	OJ991110_09.0222.C1.o1.tc	Method	TBLASTX:Cress
Start	2	End	12518
GI	none	Score	77
Exons	2..154, 177..290, 185..283, 10128..10226, 10767..10946, 10980..11078, 12390..12518		

Seq. No.	9477	Seq. ID	OJ991110_09.0222.C1
Gene No.	20288	Strand	-
Start	7106	End	17516
Name	OJ991110_09.0222.C1.o2.tm	Method	TBLASTX:Maize
Start	2	End	11087
GI	none	Score	74
Exons	2..154, 200..283, 10767..10946, 10974..11087		

Seq. No.	9477	Seq. ID	OJ991110_09.0222.C1
Gene No.	20288	Strand	-
Start	7106	End	17516
Name	OJ991110_09.0222.C1.o2.np	Method	AAT/NAP
Start	7106	End	17516
GI	3482940	Score	613
Exons	7106..7130, 9402..9647, 9837..10249, 10766..11102, 12303..12527, 17486..17516		

GI Descrip.	(AC005315) putative ligand-gated ion channel protein [Arabidopsis thaliana]		
Seq. No.	9477	Seq. ID	OJ991110_09.0222.C1
Gene No.	20288	Strand	-
Start	7106	End	17516
Name	OJ991110_09.0222.C1.o3.gs	Method	GENSCAN
Start	9114	End	15652
GI	none	Score	.8
Exons	9114..9647, 9837..10249, 10766..11078, 12309..12880, 12916..12979, 15016..15176, 15376..15652		
Seq. No.	9477	Seq. ID	OJ991110_09.0222.C1
Gene No.	20288	Strand	-
Start	7106	End	17516
Name	OJ991110_09.0222.C1.o1.tm	Method	TBLASTX:Maize
Start	9906	End	10238
GI	none	Score	77
Exons	9906..10049, 9925..10035, 10044..10238		
Seq. No.	9478	Seq. ID	OJ991110_09.0222.C2
Gene No.	20289	Strand	-
Start	791	End	1006
Name	OJ991110_09.0222.C2.o1.gs	Method	GENSCAN
Start	791	End	1006
GI	none	Score	.59
Exons	791..1006		
Seq. No.	9479	Seq. ID	OJ991110_09.0222.C6
Gene No.	20290	Strand	+
Start	428	End	1226
Name	OJ991110_09.0222.C6.o1.gs	Method	GENSCAN
Start	428	End	1226
GI	none	Score	.8
Exons	428..653, 682..850, 915..990, 1092..1226		
Seq. No.	9479	Seq. ID	OJ991110_09.0222.C6
Gene No.	20291	Strand	-
Start	985	End	1732
Name	OJ991110_09.0222.C6.o1.np	Method	AAT/NAP
Start	985	End	1732
GI	5777617	Score	85
Exons	985..1086, 1519..1732		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		
Seq. No.	9479	Seq. ID	OJ991110_09.0222.C6
Gene No.	20292	Strand	-
Start	2652	End	3839
Name	OJ991110_09.0222.C6.o2.gs	Method	GENSCAN
Start	2652	End	3755
GI	none	Score	.97
Exons	2652..3755		
Seq. No.	9479	Seq. ID	OJ991110_09.0222.C6
Gene No.	20292	Strand	-
Start	2652	End	3839
Name	OJ991110_09.0222.C6.o1.tm	Method	TBLASTX:Maize

Start	2977	End	3245
GI	none	Score	158
Exons	2977..3222, 2985..3179, 3201..3245		

Seq. No.	9479	Seq. ID	OJ991110_09.0222.C6
Gene No.	20292	Strand	-
Start	2652	End	3839
Name	OJ991110_09.0222.C6.o1.gp	Method	AAT/GAP
Start	3591	End	3839
GI	LIB3432-009-P1-K1-H11	Score	391
Exons	3591..3839		
GI Descrip.	'2642159 2.0e-20 (AC003000) putative mannose-1-phosphate guanyltransferase [Arabidopsis thaliana] >gi_3598958 (AF076484) GDP-mannose pyrophosphorylase [Arabidopsis thaliana] >gi_4151925 (AF108660) CYT1 protein [Arabidopsis thaliana]'		

Seq. No.	9480	Seq. ID	OJ991110_09.0222.C7
Gene No.	20293	Strand	+
Start	5542	End	6841
Name	OJ991110_09.0222.C7.o3.gs	Method	GENSCAN
Start	5542	End	6831
GI	none	Score	.71
Exons	5542..5592, 5646..5840, 5907..6242, 6732..6831		

Seq. No.	9480	Seq. ID	OJ991110_09.0222.C7
Gene No.	20293	Strand	+
Start	5542	End	6841
Name	OJ991110_09.0222.C7.o2.np	Method	AAT/NAP
Start	5560	End	6841
GI	3522946	Score	394
Exons	5560..6229, 6796..6841		
GI Descrip.	(AC004411) putative cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	9480	Seq. ID	OJ991110_09.0222.C7
Gene No.	20294	Strand	-
Start	34	End	5051
Name	OJ991110_09.0222.C7.o1.gs	Method	GENSCAN
Start	34	End	3115
GI	none	Score	.69
Exons	34..166, 586..705, 1011..1123, 1775..2090, 2172..2345, 2721..3115		

Seq. No.	9480	Seq. ID	OJ991110_09.0222.C7
Gene No.	20294	Strand	-
Start	34	End	5051
Name	OJ991110_09.0222.C7.o1.np	Method	AAT/NAP
Start	2671	End	5051
GI	4539658	Score	201
Exons	2671..2797, 3068..3161, 3202..3284, 5014..5051		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	9480	Seq. ID	OJ991110_09.0222.C7
Gene No.	20294	Strand	-
Start	34	End	5051
Name	OJ991110_09.0222.C7.o1.tm	Method	TBLASTX:Maize
Start	4051	End	4523

GI	none	Score	132
Exons	4051..4188, 4058..4186, 4059..4193, 4059..4187, 4182..4232, 4189..4236, 4189..4242, 4337..4456, 4346..4405, 4362..4412, 4476..4523, 4477..4518		

Seq. No.	9480	Seq. ID	OJ991110_09.0222.C7
Gene No.	20295	Strand	
Start	5763	End	6230
Name	OJ991110_09.0222.C7.o1.tc	Method	TBLASTX:Cress
Start	5763	End	6230
GI	none	Score	141
Exons	5763..5978, 5975..6076, 5979..6086, 6159..6230, 6164..6223		

Seq. No.	9480	Seq. ID	OJ991110_09.0222.C7
Gene No.	20295	Strand	
Start	5763	End	6230
Name	OJ991110_09.0222.C7.o2.tm	Method	TBLASTX:Maize
Start	5766	End	6224
GI	none	Score	71
Exons	5766..5840, 5828..6076, 5829..6086, 6039..6077, 6159..6224, 6164..6214		

Seq. No.	9480	Seq. ID	OJ991110_09.0222.C7
Gene No.	20295	Strand	
Start	5763	End	6230
Name	OJ991110_09.0222.C7.o1.tw	Method	TBLASTX:Wheat
Start	5966	End	6215
GI	none	Score	147
Exons	5966..6076, 5967..6086, 6039..6113, 6161..6214, 6162..6215		

Seq. No.	9481	Seq. ID	OJ991110_09.0222.C8
Gene No.	20296	Strand	+
Start	85	End	1713
Name	OJ991110_09.0222.C8.o1.gs	Method	GENSCAN
Start	85	End	1713
GI	none	Score	.62
Exons	85..290, 331..466, 1532..1713		

Seq. No.	9482	Seq. ID	OJ991110_09.0222.C9
Gene No.	20297	Strand	+
Start	6547	End	12193
Name	OJ991110_09.0222.C9.o1.np	Method	AAT/NAP
Start	6547	End	12193
GI	6498441	Score	6811
Exons	6547..7610, 7941..8404, 8468..8841, 9025..9159, 9334..9595, 9788..10249, 10421..11818, 11912..12193		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	9482	Seq. ID	OJ991110_09.0222.C9
Gene No.	20298	Strand	-
Start	12813	End	16119
Name	OJ991110_09.0222.C9.o4.tm	Method	TBLASTX:Maize
Start	6700	End	6985
GI	none	Score	193
Exons	6700..6984, 6737..6985		

Seq. No.	9482	Seq. ID	OJ991110_09.0222.C9
Gene No.	20298	Strand	-
Start	12813	End	16119
Name	OJ991110_09.0222.C9.o6.tw	Method	TBLASTX:Wheat
Start	6749	End	7087
GI	none	Score	116
Exons	6749..6847, 6766..6846, 6814..6975, 6830..7087		

Seq. No.	9482	Seq. ID	OJ991110_09.0222.C9
Gene No.	20298	Strand	-
Start	12813	End	16119
Name	OJ991110_09.0222.C9.o5.tw	Method	TBLASTX:Wheat
Start	7095	End	10555
GI	none	Score	234
Exons	7095..7148, 10094..10345, 10121..10345, 10186..10359, 10406..10555, 10415..10552, 10417..10554		

Seq. No.	9482	Seq. ID	OJ991110_09.0222.C9
Gene No.	20298	Strand	-
Start	12813	End	16119
Name	OJ991110_09.0222.C9.o3.tw	Method	TBLASTX:Wheat
Start	7825	End	15987
GI	none	Score	414
Exons	7825..7998, 7826..8308, 8020..8280, 15883..15987		

Seq. No.	9482	Seq. ID	OJ991110_09.0222.C9
Gene No.	20298	Strand	-
Start	12813	End	16119
Name	OJ991110_09.0222.C9.o1.tw	Method	TBLASTX:Wheat
Start	8475	End	8938
GI	none	Score	202
Exons	8475..8918, 8476..8937, 8477..8938		

Seq. No.	9482	Seq. ID	OJ991110_09.0222.C9
Gene No.	20298	Strand	-
Start	12813	End	16119
Name	OJ991110_09.0222.C9.o3.ts	Method	TBLASTX:Soybean
Start	8516	End	8881
GI	none	Score	117
Exons	8516..8740, 8747..8881		

Seq. No.	9482	Seq. ID	OJ991110_09.0222.C9
Gene No.	20298	Strand	-
Start	12813	End	16119
Name	OJ991110_09.0222.C9.o1.tm	Method	TBLASTX:Maize
Start	8606	End	8962
GI	none	Score	392
Exons	8606..8962, 8641..8952, 8657..8962		

Seq. No.	9482	Seq. ID	OJ991110_09.0222.C9
Gene No.	20298	Strand	-
Start	12813	End	16119
Name	OJ991110_09.0222.C9.o3.tm	Method	TBLASTX:Maize
Start	8989	End	9373
GI	none	Score	360
Exons	8989..9354, 8990..9373		

Seq. No.	9482	Seq. ID	OJ991110_09.0222.C9
Gene No.	20298	Strand	-
Start	12813	End	16119
Name	OJ991110_09.0222.C9.o2.tw	Method	TBLASTX:Wheat
Start	9046	End	9471
GI	none	Score	487
Exons	9046..9471, 9047..9466		

Seq. No.	9482	Seq. ID	OJ991110_09.0222.C9
Gene No.	20298	Strand	-
Start	12813	End	16119
Name	OJ991110_09.0222.C9.o1.ts	Method	TBLASTX:Soybean
Start	9125	End	9496
GI	none	Score	279
Exons	9125..9496, 9142..9285		

Seq. No.	9482	Seq. ID	OJ991110_09.0222.C9
Gene No.	20298	Strand	-
Start	12813	End	16119
Name	OJ991110_09.0222.C9.o2.ts	Method	TBLASTX:Soybean
Start	10244	End	10810
GI	5666795	Score	68
Exons	10244..10342, 10418..10555, 10610..10810		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	9482	Seq. ID	OJ991110_09.0222.C9
Gene No.	20298	Strand	-
Start	12813	End	16119
Name	OJ991110_09.0222.C9.o8.tw	Method	TBLASTX:Wheat
Start	10558	End	10870
GI	none	Score	192
Exons	10558..10734, 10610..10870		

Seq. No.	9482	Seq. ID	OJ991110_09.0222.C9
Gene No.	20298	Strand	-
Start	12813	End	16119
Name	OJ991110_09.0222.C9.o2.tm	Method	TBLASTX:Maize
Start	11063	End	11386
GI	none	Score	362
Exons	11063..11386, 11092..11373		

Seq. No.	9482	Seq. ID	OJ991110_09.0222.C9
Gene No.	20298	Strand	-
Start	12813	End	16119
Name	OJ991110_09.0222.C9.o4.tw	Method	TBLASTX:Wheat
Start	11200	End	11581
GI	none	Score	375
Exons	11200..11256, 11201..11581, 11302..11550		

Seq. No.	9482	Seq. ID	OJ991110_09.0222.C9
Gene No.	20298	Strand	-
Start	12813	End	16119
Name	OJ991110_09.0222.C9.o7.tw	Method	TBLASTX:Wheat
Start	11582	End	12184
GI	none	Score	265
Exons	11582..11866, 11587..11865, 12058..12180, 12059..12184		

Seq. No.	9482	Seq. ID	OJ991110_09.0222.C9
Gene No.	20298	Strand	-
Start	12813	End	16119
Name	OJ991110_09.0222.C9.o5.tm	Method	TBLASTX:Maize
Start	12053	End	12234
GI	none	Score	192
Exons	12053..12220, 12058..12234		

Seq. No.	9482	Seq. ID	OJ991110_09.0222.C9
Gene No.	20298	Strand	-
Start	12813	End	16119
Name	OJ991110_09.0222.C9.o2.gs	Method	GENSCAN
Start	12813	End	16119
GI	none	Score	.85
Exons	12813..14386, 14517..14758, 14858..16119		

Seq. No.	9482	Seq. ID	OJ991110_09.0222.C9
Gene No.	20298	Strand	-
Start	12813	End	16119
Name	OJ991110_09.0222.C9.o2.np	Method	AAT/NAP
Start	12816	End	16119
GI	5803259	Score	4380
Exons	12816..14480, 14526..14758, 14858..16119		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	9483	Seq. ID	OJ991110_09.0222.C10
Gene No.	20299	Strand	+
Start	274	End	448
Name	OJ991110_09.0222.C10.o1.gs	Method	GENSCAN
Start	274	End	448
GI	none	Score	.42
Exons	274..448		

Seq. No.	9483	Seq. ID	OJ991110_09.0222.C10
Gene No.	20300	Strand	-
Start	1	End	481
Name	OJ991110_09.0222.C10.o1.np	Method	AAT/NAP
Start	1	End	481
GI	5922623	Score	112
Exons	1..43, 401..481		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	9484	Seq. ID	OJ991110_09.0222.C12
Gene No.	20301	Strand	+
Start	1302	End	5581
Name	OJ991110_09.0222.C12.o1.gs	Method	GENSCAN
Start	1302	End	5393
GI	none	Score	.59
Exons	1302..1423, 1507..1647, 2275..2381, 2672..2844, 4269..5110, 5214..5393		

Seq. No.	9484	Seq. ID	OJ991110_09.0222.C12
Gene No.	20301	Strand	+
Start	1302	End	5581

Name	OJ991110_09.0222.C12.o1.np	Method	AAT/NAP
Start	4898	End	5581
GI	3482940	Score	260
Exons	4898..5110, 5184..5581		
GI Descrip.	(AC005315) putative ligand-gated ion channel protein [Arabidopsis thaliana]		

Seq. No.	9484	Seq. ID	OJ991110_09.0222.C12
Gene No.	20301	Strand	+
Start	1302	End	5581
Name	OJ991110_09.0222.C12.o1.tc	Method	TBLASTX:Cress
Start	5199	End	5542
GI	none	Score	112
Exons	5199..5327, 5222..5326, 5334..5528, 5348..5542		

Seq. No.	9484	Seq. ID	OJ991110_09.0222.C12
Gene No.	20301	Strand	+
Start	1302	End	5581
Name	OJ991110_09.0222.C12.o1.tm	Method	TBLASTX:Maize
Start	5220	End	5540
GI	none	Score	61
Exons	5220..5312, 5222..5308, 5349..5540, 5349..5537		

Seq. No.	9485	Seq. ID	OJ991110_09.0222.C13
Gene No.	20302	Strand	+
Start	1	End	751
Name	OJ991110_09.0222.C13.o1.np	Method	AAT/NAP
Start	1	End	751
GI	5823573	Score	69
Exons	1..21, 663..751		
GI Descrip.	(AL049730) origin recognition complex subunit 1-like protein [Arabidopsis thaliana]		

Seq. No.	9486	Seq. ID	OJ991110_09.0222.C14
Gene No.	20303	Strand	+
Start	7318	End	7551
Name	OJ991110_09.0222.C14.o2.gp	Method	AAT/GAP
Start	7318	End	7551
GI	uC-osflcyp136d05a1	Score	311
Exons	7318..7406, 7440..7551		
GI Descrip.	'397615/emb|Z25811|OSSALT 4.0e-19 O.sativa salT gene'		

Seq. No.	9486	Seq. ID	OJ991110_09.0222.C14
Gene No.	20304	Strand	+
Start	12025	End	15941
Name	OJ991110_09.0222.C14.o3.gs	Method	GENSCAN
Start	12025	End	15939
GI	none	Score	.74
Exons	12025..12344, 12773..13465, 13938..13974, 14166..14318, 14427..14570, 14666..14807, 14840..14994, 15095..15217, 15393..15474, 15761..15939		

Seq. No.	9486	Seq. ID	OJ991110_09.0222.C14
Gene No.	20304	Strand	+
Start	12025	End	15941
Name	OJ991110_09.0222.C14.o4.np	Method	AAT/NAP
Start	12729	End	15941

GI	6729350	Score	3028
Exons	12729..13465, 13938..14073, 14166..14318, 14427..14570, 14666..14817, 14895..14994, 15095..15217, 15317..15474, 15627..15684, 15761..15941		
GI Descrip.	(AB037135) origin recognition complex 1 [Oryza sativa]		

Seq. No.	9486	Seq. ID	OJ991110_09.0222.C14
Gene No.	20305	Strand	-
Start	1	End	11283
Name	OJ991110_09.0222.C14.o1.np	Method	AAT/NAP
Start	1	End	2168
GI	6453870	Score	688
Exons	1..316, 404..508, 757..1016, 1792..2168		
GI Descrip.	(AC011717) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	9486	Seq. ID	OJ991110_09.0222.C14
Gene No.	20305	Strand	-
Start	1	End	11283
Name	OJ991110_09.0222.C14.o5.tm	Method	TBLASTX:Maize
Start	145	End	494
GI	none	Score	146
Exons	145..285, 151..285, 155..292, 161..292, 162..293, 289..327, 296..331, 299..325, 405..494, 416..493		

Seq. No.	9486	Seq. ID	OJ991110_09.0222.C14
Gene No.	20305	Strand	-
Start	1	End	11283
Name	OJ991110_09.0222.C14.o1.gs	Method	GENSCAN
Start	413	End	1258
GI	none	Score	.92
Exons	413..529, 757..973, 1173..1258		

Seq. No.	9486	Seq. ID	OJ991110_09.0222.C14
Gene No.	20305	Strand	-
Start	1	End	11283
Name	OJ991110_09.0222.C14.o1.gp	Method	AAT/GAP
Start	415	End	2133
GI	21247_1.R1084	Score	1336
Exons	415..508, 757..1016, 1792..2133		
GI Descrip.	'4263714/gb|AAD15400| 1.0e-17 (AC006223) putative integral membrane protein [Arabidopsis thaliana]'		

Seq. No.	9486	Seq. ID	OJ991110_09.0222.C14
Gene No.	20305	Strand	-
Start	1	End	11283
Name	OJ991110_09.0222.C14.o2.gs	Method	GENSCAN
Start	1751	End	11283
GI	none	Score	.68
Exons	1751..2355, 3743..3929, 4167..4439, 5068..5123, 6226..6324, 7029..7217, 7727..8337, 10082..10921, 11057..11283		

Seq. No.	9486	Seq. ID	OJ991110_09.0222.C14
Gene No.	20305	Strand	-
Start	1	End	11283
Name	OJ991110_09.0222.C14.o4.tc	Method	TBLASTX:Cress
Start	1871	End	2069
GI	none	Score	115

Exons	1871..2068, 1872..2069		
Seq. No.	9486	Seq. ID	OJ991110_09.0222.C14
Gene No.	20305	Strand	-
Start	1	End	11283
Name	OJ991110_09.0222.C14.o2.np	Method	AAT/NAP
Start	2270	End	4895
GI	4581143	Score	147
Exons	2270..2291, 4222..4538, 4819..4895		
GI Descrip.	(AC006919) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	9486	Seq. ID	OJ991110_09.0222.C14
Gene No.	20305	Strand	-
Start	1	End	11283
Name	OJ991110_09.0222.C14.o3.gp	Method	AAT/GAP
Start	7508	End	7887
GI	LIB3432-053-P1-K1-B7	Score	701
Exons	7508..7887		
GI Descrip.	'4521249/dbj|BAA76297.1| 3.0e-11 (AB013912) DNA helicase [Mus musculus]'		
Seq. No.	9486	Seq. ID	OJ991110_09.0222.C14
Gene No.	20305	Strand	-
Start	1	End	11283
Name	OJ991110_09.0222.C14.o1.ts	Method	TBLASTX:Soybean
Start	7632	End	10282
GI	none	Score	266
Exons	7632..8132, 7705..8136, 7706..8083, 7734..8123, 8067..8396, 8128..8340, 10068..10172, 10081..10185, 10085..10186, 10091..10201, 10138..10281, 10151..10282		
Seq. No.	9486	Seq. ID	OJ991110_09.0222.C14
Gene No.	20305	Strand	-
Start	1	End	11283
Name	OJ991110_09.0222.C14.o3.np	Method	AAT/NAP
Start	7686	End	10869
GI	6723428	Score	1685
Exons	7686..8337, 10082..10368, 10402..10869		
GI Descrip.	(AL132965) RuvB DNA helicase-like protein [Arabidopsis thaliana]		
Seq. No.	9486	Seq. ID	OJ991110_09.0222.C14
Gene No.	20305	Strand	-
Start	1	End	11283
Name	OJ991110_09.0222.C14.o2.tm	Method	TBLASTX:Maize
Start	7708	End	8330
GI	none	Score	793
Exons	7708..8325, 7719..8330, 8273..8329		
Seq. No.	9486	Seq. ID	OJ991110_09.0222.C14
Gene No.	20305	Strand	-
Start	1	End	11283
Name	OJ991110_09.0222.C14.o3.tc	Method	TBLASTX:Cress
Start	7732	End	7953
GI	none	Score	119
Exons	7732..7920, 7734..7952, 7734..7952, 7735..7953		
Seq. No.	9486	Seq. ID	OJ991110_09.0222.C14

Gene No.	20305	Strand	-
Start	1	End	11283
Name	OJ991110_09.0222.C14.o5.tc	Method	TBLASTX:Cress
Start	7962	End	8190
GI	none	Score	94
Exons	7962..8189, 8020..8190		

Seq. No.	9486	Seq. ID	OJ991110_09.0222.C14
Gene No.	20305	Strand	-
Start	1	End	11283
Name	OJ991110_09.0222.C14.o4.tm	Method	TBLASTX:Maize
Start	10077	End	10375
GI	none	Score	212
Exons	10077..10253, 10081..10371, 10084..10269, 10085..10366, 10298..10375, 10318..10371		

Seq. No.	9486	Seq. ID	OJ991110_09.0222.C14
Gene No.	20305	Strand	-
Start	1	End	11283
Name	OJ991110_09.0222.C14.o2.tc	Method	TBLASTX:Cress
Start	10153	End	10371
GI	none	Score	201
Exons	10153..10371, 10154..10366		

Seq. No.	9486	Seq. ID	OJ991110_09.0222.C14
Gene No.	20305	Strand	-
Start	1	End	11283
Name	OJ991110_09.0222.C14.o2.ts	Method	TBLASTX:Soybean
Start	10484	End	10854
GI	none	Score	365
Exons	10484..10849, 10489..10854, 10696..10851		

Seq. No.	9486	Seq. ID	OJ991110_09.0222.C14
Gene No.	20305	Strand	-
Start	1	End	11283
Name	OJ991110_09.0222.C14.o3.tm	Method	TBLASTX:Maize
Start	10484	End	10875
GI	none	Score	465
Exons	10484..10849, 10489..10875, 10684..10872		

Seq. No.	9486	Seq. ID	OJ991110_09.0222.C14
Gene No.	20305	Strand	-
Start	1	End	11283
Name	OJ991110_09.0222.C14.o1.tc	Method	TBLASTX:Cress
Start	10501	End	10854
GI	none	Score	234
Exons	10501..10854, 10508..10849		

Seq. No.	9486	Seq. ID	OJ991110_09.0222.C14
Gene No.	20305	Strand	-
Start	1	End	11283
Name	OJ991110_09.0222.C14.o4.gp	Method	AAT/GAP
Start	10629	End	10967
GI	uC-osroM202005h07b1	Score	513
Exons	10629..10967		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	9486	Seq. ID	OJ991110_09.0222.C14
Gene No.	20306	Strand	
Start	13217	End	15917
Name	OJ991110_09.0222.C14.o1.tm	Method	TBLASTX:Maize
Start	13217	End	15917
GI	none	Score	93
Exons	13217..13279, 13218..13277, 13278..13343, 13280..13465, 13320..13463, 13417..13473, 13932..14072, 13935..14072, 13936..14091, 14160..14318, 14163..14327, 14407..14577, 14424..14483, 14425..14559, 14646..14834, 14646..14816, 14650..14817, 14672..14824, 14889..15002, 14893..14994, 15092..15217, 15094..15219, 15095..15220, 15314..15430, 15316..15426, 15409..15480, 15626..15688, 15627..15686, 15759..15908, 15759..15917, 15760..15915		

Seq. No.	9487	Seq. ID	OJ991110_09.0222.C15
Gene No.	20307	Strand	+
Start	262	End	363
Name	OJ991110_09.0222.C15.o1.gs	Method	GENSCAN
Start	262	End	363
GI	none	Score	.63
Exons	262..363		

Seq. No.	9487	Seq. ID	OJ991110_09.0222.C15
Gene No.	20308	Strand	+
Start	638	End	1066
Name	OJ991110_09.0222.C15.o1.gp	Method	AAT/GAP
Start	638	End	1066
GI	none	Score	798
Exons	638..1066		

Seq. No.	9488	Seq. ID	OJ991110_09.0222.C16
Gene No.	20309	Strand	+
Start	18	End	3561
Name	OJ991110_09.0222.C16.o1.np	Method	AAT/NAP
Start	18	End	1928
GI	6630697	Score	225
Exons	18..158, 275..399, 1867..1928		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa]		

Seq. No.	9488	Seq. ID	OJ991110_09.0222.C16
Gene No.	20309	Strand	+
Start	18	End	3561
Name	OJ991110_09.0222.C16.o1.gs	Method	GENSCAN
Start	212	End	3561
GI	none	Score	.52
Exons	212..399, 619..857, 2074..2170, 3539..3561		

Seq. No.	9488	Seq. ID	OJ991110_09.0222.C16
Gene No.	20310	Strand	+
Start	3918	End	4372
Name	OJ991110_09.0222.C16.o2.gp	Method	AAT/GAP
Start	3918	End	4372
GI	1935_1.R1084	Score	898
Exons	3918..4372		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA,		

similar sequence to Pib gene'

Seq. No.	9488	Seq. ID	OJ991110_09.0222.C16
Gene No.	20311	Strand	+
Start	12628	End	12720
Name	OJ991110_09.0222.C16.o3.np	Method	AAT/NAP
Start	12628	End	12720
GI	5852084	Score	71
Exons	12628..12720		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	9488	Seq. ID	OJ991110_09.0222.C16
Gene No.	20312	Strand	+
Start	15002	End	24480
Name	OJ991110_09.0222.C16.o4.gs	Method	GENSCAN
Start	15002	End	24480
GI	none	Score	.53
Exons	15002..15393, 15764..16063, 16147..16201, 16563..16686, 17965..18152, 18338..18589, 21321..21400, 22603..22708, 23005..23068, 23113..23205, 23904..23947, 24070..24213, 24313..24480		

Seq. No.	9488	Seq. ID	OJ991110_09.0222.C16
Gene No.	20312	Strand	+
Start	15002	End	24480
Name	OJ991110_09.0222.C16.o4.np	Method	AAT/NAP
Start	18917	End	19578
GI	3461850	Score	146
Exons	18917..19175, 19302..19413, 19515..19578		
GI Descrip.	(AC005315) putative ligand-gated ion channel protein [Arabidopsis thaliana]		

Seq. No.	9488	Seq. ID	OJ991110_09.0222.C16
Gene No.	20312	Strand	+
Start	15002	End	24480
Name	OJ991110_09.0222.C16.o5.np	Method	AAT/NAP
Start	22643	End	24474
GI	3281867	Score	1000
Exons	22643..22708, 22823..23068, 23598..23708, 23789..23947, 24070..24213, 24313..24474		
GI Descrip.	(AL031004) putative protein [Arabidopsis thaliana]		

Seq. No.	9488	Seq. ID	OJ991110_09.0222.C16
Gene No.	20313	Strand	-
Start	2425	End	11143
Name	OJ991110_09.0222.C16.o2.np	Method	AAT/NAP
Start	2425	End	11131
GI	3482940	Score	1058
Exons	2425..2493, 4386..4604, 5471..5865, 6385..6717, 7400..8395, 8432..8742, 10849..11131		
GI Descrip.	(AC005315) putative ligand-gated ion channel protein [Arabidopsis thaliana]		

Seq. No.	9488	Seq. ID	OJ991110_09.0222.C16
Gene No.	20313	Strand	-
Start	2425	End	11143
Name	OJ991110_09.0222.C16.o2.gs	Method	GENSCAN

Start	4161	End	11143
GI	none	Score	.82
Exons	4161..4604, 5471..5865, 6385..6694, 7406..8742, 9288..9350, 10849..11143		

Seq. No.	9488	Seq. ID	OJ991110_09.0222.C16
Gene No.	20314	Strand	-
Start	13074	End	13490
Name	OJ991110_09.0222.C16.o2.tc	Method	TBLASTX:Cress
Start	4455	End	8713
GI	none	Score	89
Exons	4455..4601, 5519..5587, 5666..5710, 5733..5834, 5735..5863, 6386..6688, 7445..7609, 7580..7723, 8078..8323, 8480..8581, 8624..8713		

Seq. No.	9488	Seq. ID	OJ991110_09.0222.C16
Gene No.	20314	Strand	-
Start	13074	End	13490
Name	OJ991110_09.0222.C16.o3.tm	Method	TBLASTX:Maize
Start	5735	End	6706
GI	none	Score	91
Exons	5735..5863, 5748..5864, 6386..6706		

Seq. No.	9488	Seq. ID	OJ991110_09.0222.C16
Gene No.	20314	Strand	-
Start	13074	End	13490
Name	OJ991110_09.0222.C16.o3.gs	Method	GENSCAN
Start	13074	End	13490
GI	none	Score	.79
Exons	13074..13490		

Seq. No.	9488	Seq. ID	OJ991110_09.0222.C16
Gene No.	20315	Strand	
Start	22555	End	23022
Name	OJ991110_09.0222.C16.o2.tm	Method	TBLASTX:Maize
Start	22555	End	23022
GI	none	Score	38
Exons	22555..22584, 22556..22585, 22558..22608, 22582..22707, 22583..22762, 22595..22735, 22811..23020, 22816..23022, 22821..23021, 22822..23022		

Seq. No.	9488	Seq. ID	OJ991110_09.0222.C16
Gene No.	20316	Strand	
Start	23591	End	23866
Name	OJ991110_09.0222.C16.o2.ts	Method	TBLASTX:Soybean
Start	23591	End	23866
GI	none	Score	83
Exons	23591..23731, 23597..23707, 23598..23714, 23777..23833, 23828..23866		

Seq. No.	9488	Seq. ID	OJ991110_09.0222.C16
Gene No.	20317	Strand	
Start	23894	End	24480
Name	OJ991110_09.0222.C16.o1.tc	Method	TBLASTX:Cress
Start	23894	End	24468
GI	none	Score	55
Exons	23894..23938, 24049..24213, 24084..24212, 24096..24224,		

24312..24464, 24313..24468

Seq. No.	9488	Seq. ID	OJ991110_09.0222.C16
Gene No.	20317	Strand	
Start	23894	End	24480
Name	OJ991110_09.0222.C16.o1.ts	Method	TBLASTX:Soybean
Start	23894	End	24371
GI	none	Score	62
Exons	23894..23947, 24058..24213, 24075..24212, 24312..24371, 24313..24369		

Seq. No.	9488	Seq. ID	OJ991110_09.0222.C16
Gene No.	20317	Strand	
Start	23894	End	24480
Name	OJ991110_09.0222.C16.o1.tm	Method	TBLASTX:Maize
Start	23909	End	24480
GI	none	Score	60
Exons	23909..23971, 24049..24213, 24067..24207, 24072..24212, 24075..24224, 24306..24461, 24312..24479, 24313..24480		

Seq. No.	9489	Seq. ID	OJ991110_09.0222.C17
Gene No.	20318	Strand	+
Start	14284	End	14360
Name	OJ991110_09.0222.C17.o4.gp	Method	AAT/GAP
Start	14284	End	14360
GI	2312838	Score	70
Exons	14284..14360		
GI Descrip.	1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	9489	Seq. ID	OJ991110_09.0222.C17
Gene No.	20319	Strand	-
Start	1	End	15403
Name	OJ991110_09.0222.C17.o3.np	Method	AAT/NAP
Start	1	End	13130
GI	4996894	Score	115
Exons	1..132, 2173..2367, 2872..2993, 3207..3484, 9933..10025, 11717..11879, 13061..13130		
GI Descrip.	(AF065164) hyperpolarization-activated, cyclic nucleotide-gated channel 2 [Homo sapiens]		

Seq. No.	9489	Seq. ID	OJ991110_09.0222.C17
Gene No.	20319	Strand	-
Start	1	End	15403
Name	OJ991110_09.0222.C17.o1.gs	Method	GENSCAN
Start	837	End	3305
GI	none	Score	.87
Exons	837..948, 1198..1463, 1602..1814, 2173..2671, 3247..3305		

Seq. No.	9489	Seq. ID	OJ991110_09.0222.C17
Gene No.	20319	Strand	-
Start	1	End	15403
Name	OJ991110_09.0222.C17.o1.np	Method	AAT/NAP
Start	837	End	2640
GI	4572671	Score	726
Exons	837..948, 1177..1463, 1602..1814, 2173..2640		
GI Descrip.	(AC006954) putative cyclic nucleotide-regulated ion channel		

protein [Arabidopsis thaliana]

Seq. No.	9489	Seq. ID	OJ991110_09.0222.C17
Gene No.	20319	Strand	-
Start	1	End	15403
Name	OJ991110_09.0222.C17.o1.tc	Method	TBLASTX:Cress
Start	837	End	2541
GI	none	Score	75
Exons	837..950, 838..951, 1171..1218, 1179..1256, 1194..1298, 1264..1290, 1392..1463, 1393..1467, 1583..1657, 1599..1760, 1599..1829, 2170..2277, 2174..2278, 2287..2406, 2294..2407, 2419..2541, 2428..2538		

Seq. No.	9489	Seq. ID	OJ991110_09.0222.C17
Gene No.	20319	Strand	-
Start	1	End	15403
Name	OJ991110_09.0222.C17.o2.tm	Method	TBLASTX:Maize
Start	837	End	1464
GI	none	Score	102
Exons	837..950, 837..950, 841..951, 844..963, 1170..1298, 1179..1280, 1335..1391, 1392..1463, 1399..1464		

Seq. No.	9489	Seq. ID	OJ991110_09.0222.C17
Gene No.	20319	Strand	-
Start	1	End	15403
Name	OJ991110_09.0222.C17.o2.ts	Method	TBLASTX:Soybean
Start	1389	End	1829
GI	none	Score	61
Exons	1389..1460, 1602..1829, 1606..1746		

Seq. No.	9489	Seq. ID	OJ991110_09.0222.C17
Gene No.	20319	Strand	-
Start	1	End	15403
Name	OJ991110_09.0222.C17.o1.tm	Method	TBLASTX:Maize
Start	1764	End	2649
GI	none	Score	76
Exons	1764..1832, 1764..1829, 1771..1887, 2170..2475, 2173..2475, 2516..2593, 2518..2595, 2573..2620, 2590..2649		

Seq. No.	9489	Seq. ID	OJ991110_09.0222.C17
Gene No.	20319	Strand	-
Start	1	End	15403
Name	OJ991110_09.0222.C17.o1.ts	Method	TBLASTX:Soybean
Start	2303	End	2554
GI	none	Score	146
Exons	2303..2554, 2305..2553		

Seq. No.	9489	Seq. ID	OJ991110_09.0222.C17
Gene No.	20319	Strand	-
Start	1	End	15403
Name	OJ991110_09.0222.C17.o2.gs	Method	GENSCAN
Start	5039	End	5438
GI	none	Score	.82
Exons	5039..5168, 5308..5438		

Seq. No.	9489	Seq. ID	OJ991110_09.0222.C17
Gene No.	20319	Strand	-

Start	1	End	15403
Name	OJ991110_09.0222.C17.o3.gs	Method	GENSCAN
Start	6885	End	15403
GI	none	Score	.56
Exons	6885..6994, 7376..7492, 7686..8051, 8078..8340, 9390..9512, 9981..10185, 10666..10754, 11464..11587, 11788..11850, 12568..12666, 12714..12956, 14799..14970, 15327..15403		

Seq. No.	9489	Seq. ID	OJ991110_09.0222.C17
Gene No.	20319	Strand	-
Start	1	End	15403
Name	OJ991110_09.0222.C17.o1.gp	Method	AAT/GAP
Start	7159	End	7406
GI	3761181	Score	439
Exons	7159..7406		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	9489	Seq. ID	OJ991110_09.0222.C17
Gene No.	20319	Strand	-
Start	1	End	15403
Name	OJ991110_09.0222.C17.o2.gp	Method	AAT/GAP
Start	8266	End	8853
GI	uC-osroM202020e06a1	Score	919
Exons	8266..8541, 8641..8853		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	9489	Seq. ID	OJ991110_09.0222.C17
Gene No.	20319	Strand	-
Start	1	End	15403
Name	OJ991110_09.0222.C17.o3.tm	Method	TBLASTX:Maize
Start	9000	End	11581
GI	none	Score	66
Exons	9000..9047, 9004..9051, 9071..9160, 9137..9160, 9359..9463, 9394..9468, 9405..9476, 9406..9468, 9474..9575, 9475..9510, 9949..10185, 10017..10184, 10058..10189, 10665..10757, 10666..10758, 11487..11579, 11489..11581, 11492..11581		

Seq. No.	9489	Seq. ID	OJ991110_09.0222.C17
Gene No.	20319	Strand	-
Start	1	End	15403
Name	OJ991110_09.0222.C17.o2.np	Method	AAT/NAP
Start	9361	End	11575
GI	4572679	Score	444
Exons	9361..9515, 9951..10185, 10666..10754, 11487..11575		
GI Descrip.	(AC006954) putative RSZp22 splicing factor [Arabidopsis thaliana]		

Seq. No.	9489	Seq. ID	OJ991110_09.0222.C17
Gene No.	20319	Strand	-
Start	1	End	15403
Name	OJ991110_09.0222.C17.o3.gp	Method	AAT/GAP
Start	9452	End	11570
GI	LIB3433-037-P1-K1-F2	Score	835
Exons	9452..9512, 9951..10185, 10666..10754, 11487..11570		
GI Descrip.	'3435096/gb|AAD12770.1| 1.0e-20 (AF033587) SRZ21 [Arabidopsis		

thaliana]'

Seq. No.	9490	Seq. ID	OJ991110_09.0222.C18
Gene No.	20320	Strand	+
Start	1183	End	1590
Name	OJ991110_09.0222.C18.o2.gs	Method	GENSCAN
Start	1183	End	1590
GI	none	Score	.89
Exons	1183..1590		

Seq. No.	9490	Seq. ID	OJ991110_09.0222.C18
Gene No.	20321	Strand	-
Start	537	End	884
Name	OJ991110_09.0222.C18.o1.gs	Method	GENSCAN
Start	537	End	884
GI	none	Score	.74
Exons	537..884		

Seq. No.	9491	Seq. ID	OJ991110_09.0222.C19
Gene No.	20322	Strand	+
Start	5	End	1552
Name	OJ991110_09.0222.C19.o1.gs	Method	GENSCAN
Start	5	End	1552
GI	none	Score	.99
Exons	5..1552		

Seq. No.	9491	Seq. ID	OJ991110_09.0222.C19
Gene No.	20322	Strand	+
Start	5	End	1552
Name	OJ991110_09.0222.C19.o1.np	Method	AAT/NAP
Start	65	End	1510
GI	3757518	Score	545
Exons	65..832, 863..1510		
GI Descrip.	(AC005167) putative glucosyltransferase [Arabidopsis thaliana]		

Seq. No.	9491	Seq. ID	OJ991110_09.0222.C19
Gene No.	20322	Strand	+
Start	5	End	1552
Name	OJ991110_09.0222.C19.o2.np	Method	AAT/NAP
Start	680	End	1513
GI	5763524	Score	417
Exons	680..1513		
GI Descrip.	(AB031274) UDP-glucose: flavonoid 7-O-glucosyltransferase [Scutellaria baicalensis]		

Seq. No.	9491	Seq. ID	OJ991110_09.0222.C19
Gene No.	20323	Strand	-
Start	2592	End	2963
Name	OJ991110_09.0222.C19.o1.ts	Method	TBLASTX:Soybean
Start	581	End	2879
GI	none	Score	45
Exons	581..637, 680..763, 794..910, 935..1054, 1058..1273, 1090..1224, 2739..2879		

Seq. No.	9491	Seq. ID	OJ991110_09.0222.C19
Gene No.	20323	Strand	-
Start	2592	End	2963

Name	OJ991110_09.0222.C19.o1.tw	Method	TBLASTX:Wheat
Start	706	End	985
GI	none	Score	183
Exons	706..837, 707..865, 734..838, 887..985		

Seq. No.	9491	Seq. ID	OJ991110_09.0222.C19
Gene No.	20323	Strand	-
Start	2592	End	2963
Name	OJ991110_09.0222.C19.o1.tc	Method	TBLASTX:Cress
Start	932	End	2840
GI	none	Score	102
Exons	932..1057, 1091..1273, 1108..1224, 2742..2840		

Seq. No.	9491	Seq. ID	OJ991110_09.0222.C19
Gene No.	20323	Strand	-
Start	2592	End	2963
Name	OJ991110_09.0222.C19.o1.tm	Method	TBLASTX:Maize
Start	935	End	2879
GI	none	Score	100
Exons	935..1042, 1087..1224, 1091..1267, 2742..2879		

Seq. No.	9491	Seq. ID	OJ991110_09.0222.C19
Gene No.	20323	Strand	-
Start	2592	End	2963
Name	OJ991110_09.0222.C19.o2.tw	Method	TBLASTX:Wheat
Start	986	End	2879
GI	none	Score	62
Exons	986..1042, 1081..1224, 1082..1273, 2697..2753, 2717..2812, 2739..2879		

Seq. No.	9491	Seq. ID	OJ991110_09.0222.C19
Gene No.	20323	Strand	-
Start	2592	End	2963
Name	OJ991110_09.0222.C19.o2.gs	Method	GENSCAN
Start	2592	End	2963
GI	none	Score	.44
Exons	2592..2963		

Seq. No.	9492	Seq. ID	OJ991110_09.0222.C20
Gene No.	20324	Strand	+
Start	10159	End	11930
Name	OJ991110_09.0222.C20.o3.gs	Method	GENSCAN
Start	10159	End	11930
GI	none	Score	.89
Exons	10159..11138, 11549..11930		

Seq. No.	9492	Seq. ID	OJ991110_09.0222.C20
Gene No.	20324	Strand	+
Start	10159	End	11930
Name	OJ991110_09.0222.C20.o2.np	Method	AAT/NAP
Start	10171	End	11912
GI	3193316	Score	1346
Exons	10171..11138, 11549..11912		
GI Descrip.	(AF069299) contains similarity to nucleotide sugar epimerases [Arabidopsis thaliana]		

Seq. No.	9492	Seq. ID	OJ991110_09.0222.C20

Gene No.	20325	Strand	-
Start	4803	End	8381
Name	OJ991110_09.0222.C20.o2.gs	Method	GENSCAN
Start	4803	End	8381
GI	none	Score	.65
Exons	4803..6172, 6535..6679, 6961..7134, 7673..7983, 8150..8381		

Seq. No.	9492	Seq. ID	OJ991110_09.0222.C20
Gene No.	20325	Strand	-
Start	4803	End	8381
Name	OJ991110_09.0222.C20.o1.np	Method	AAT/NAP
Start	4853	End	6167
GI	4185131	Score	480
Exons	4853..5146, 5192..5918, 5949..6167		
GI Descrip.	(AC005724) putative RING zinc finger protein [Arabidopsis thaliana]		

Seq. No.	9492	Seq. ID	OJ991110_09.0222.C20
Gene No.	20326	Strand	-
Start	12979	End	13884
Name	OJ991110_09.0222.C20.o2.ts	Method	TBLASTX:Soybean
Start	5631	End	5886
GI	none	Score	131
Exons	5631..5783, 5632..5784, 5802..5867, 5803..5886		

Seq. No.	9492	Seq. ID	OJ991110_09.0222.C20
Gene No.	20326	Strand	-
Start	12979	End	13884
Name	OJ991110_09.0222.C20.o3.tm	Method	TBLASTX:Maize
Start	5640	End	5907
GI	none	Score	178
Exons	5640..5810, 5641..5811, 5722..5907, 5796..5867		

Seq. No.	9492	Seq. ID	OJ991110_09.0222.C20
Gene No.	20326	Strand	-
Start	12979	End	13884
Name	OJ991110_09.0222.C20.o3.tc	Method	TBLASTX:Cress
Start	5643	End	5804
GI	none	Score	185
Exons	5643..5804		

Seq. No.	9492	Seq. ID	OJ991110_09.0222.C20
Gene No.	20326	Strand	-
Start	12979	End	13884
Name	OJ991110_09.0222.C20.o1.tc	Method	TBLASTX:Cress
Start	10195	End	11899
GI	none	Score	49
Exons	10195..10233, 10252..10404, 10306..10464, 10479..10964, 10480..10962, 10948..10983, 11092..11139, 11547..11897, 11549..11587, 11648..11899		

Seq. No.	9492	Seq. ID	OJ991110_09.0222.C20
Gene No.	20326	Strand	-
Start	12979	End	13884
Name	OJ991110_09.0222.C20.o2.tm	Method	TBLASTX:Maize
Start	10195	End	10671
GI	none	Score	57

Exons	10195..10233, 10222..10404, 10245..10352, 10306..10671, 10404..10670		
Seq. No.	9492	Seq. ID	OJ991110_09.0222.C20
Gene No.	20326	Strand	-
Start	12979	End	13884
Name	OJ991110_09.0222.C20.o1.ts	Method	TBLASTX:Soybean
Start	10195	End	11905
GI	none	Score	52
Exons	10195..10233, 10200..10229, 10222..10404, 10248..10343, 10306..10464, 10479..11138, 10480..11139, 11026..11142, 11546..11581, 11547..11903, 11648..11905		
Seq. No.	9492	Seq. ID	OJ991110_09.0222.C20
Gene No.	20326	Strand	-
Start	12979	End	13884
Name	OJ991110_09.0222.C20.o1.tm	Method	TBLASTX:Maize
Start	10756	End	11903
GI	none	Score	612
Exons	10756..11139, 10761..11135, 11026..11142, 11547..11903, 11549..11587, 11648..11902		
Seq. No.	9492	Seq. ID	OJ991110_09.0222.C20
Gene No.	20326	Strand	-
Start	12979	End	13884
Name	OJ991110_09.0222.C20.o2.tc	Method	TBLASTX:Cress
Start	10984	End	11091
GI	none	Score	187
Exons	10984..11091, 10986..11090		
Seq. No.	9492	Seq. ID	OJ991110_09.0222.C20
Gene No.	20326	Strand	-
Start	12979	End	13884
Name	OJ991110_09.0222.C20.o3.np	Method	AAT/NAP
Start	12979	End	13884
GI	6634778	Score	294
Exons	12979..13044, 13142..13265, 13339..13430, 13843..13884		
GI Descrip.	(AC009917) Contains similarity to gi|629253 lmbW protein from Streptomyces lincolnensis. [Arabidopsis thaliana]		
Seq. No.	9493	Seq. ID	OJ991110_09.0222.C21
Gene No.	20327	Strand	+
Start	85	End	1029
Name	OJ991110_09.0222.C21.o1.gs	Method	GENSCAN
Start	85	End	1029
GI	none	Score	.92
Exons	85..105, 868..1029		
Seq. No.	9494	Seq. ID	OJ990520_10.0211.C1
Gene No.	20328	Strand	+
Start	1113	End	3686
Name	OJ990520_10.0211.C1.o1.np	Method	AAT/NAP
Start	1113	End	3686
GI	5295955	Score	324
Exons	1113..1244, 1989..2083, 2122..2316, 2395..2515, 3056..3686		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	9494	Seq. ID	OJ990520_10.0211.C1
Gene No.	20329	Strand	-
Start	1	End	5063
Name	OJ990520_10.0211.C1.o1.ts	Method	TBLASTX:Soybean
Start	1	End	4071
GI	none	Score	111
Exons	1..87, 6..77, 117..203, 118..288, 3997..4071		

Seq. No.	9494	Seq. ID	OJ990520_10.0211.C1
Gene No.	20329	Strand	-
Start	1	End	5063
Name	OJ990520_10.0211.C1.o2.np	Method	AAT/NAP
Start	1	End	5063
GI	2144803	Score	25
Exons	1..22, 3418..3489, 4335..4459, 4994..5063		
GI Descrip.	collagen alpha 1(I) chain precursor - human		

Seq. No.	9494	Seq. ID	OJ990520_10.0211.C1
Gene No.	20329	Strand	-
Start	1	End	5063
Name	OJ990520_10.0211.C1.o1.gp	Method	AAT/GAP
Start	441	End	548
GI	uC-osflcyp088b12b1	Score	130
Exons	441..548		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	9494	Seq. ID	OJ990520_10.0211.C1
Gene No.	20329	Strand	-
Start	1	End	5063
Name	OJ990520_10.0211.C1.o2.gs	Method	GENSCAN
Start	1656	End	4453
GI	none	Score	.49
Exons	1656..1776, 2033..2155, 2465..2594, 2631..3212, 3415..3549, 4324..4453		

Seq. No.	9494	Seq. ID	OJ990520_10.0211.C1
Gene No.	20329	Strand	-
Start	1	End	5063
Name	OJ990520_10.0211.C1.o1.tm	Method	TBLASTX:Maize
Start	4585	End	4938
GI	none	Score	213
Exons	4585..4938		

Seq. No.	9495	Seq. ID	OJ990520_10.0211.C2
Gene No.	20330	Strand	+
Start	1	End	661
Name	OJ990520_10.0211.C2.o1.np	Method	AAT/NAP
Start	1	End	661
GI	629693	Score	373
Exons	1..661		
GI Descrip.	probable integrase - common tobacco (fragment) gi|530742|emb|CAA56791| (X80830) integrase [Nicotiana tabacum]		

Seq. No.	9495	Seq. ID	OJ990520_10.0211.C2
Gene No.	20330	Strand	+

Start	1	End	661
Name	OJ990520_10.0211.C2.o1.ts	Method	TBLASTX:Soybean
Start	18	End	323
GI	none	Score	211
Exons	18..323, 119..313		

Seq. No.	9495	Seq. ID	OJ990520_10.0211.C2
Gene No.	20330	Strand	+
Start	1	End	661
Name	OJ990520_10.0211.C2.o1.gs	Method	GENSCAN
Start	47	End	508
GI	none	Score	.53
Exons	47..266, 302..508		

Seq. No.	9496	Seq. ID	OJ990520_10.0211.C3
Gene No.	20331	Strand	+
Start	95	End	723
Name	OJ990520_10.0211.C3.o1.gs	Method	GENSCAN
Start	95	End	669
GI	none	Score	.75
Exons	95..310, 381..669		

Seq. No.	9496	Seq. ID	OJ990520_10.0211.C3
Gene No.	20331	Strand	+
Start	95	End	723
Name	OJ990520_10.0211.C3.o1.np	Method	AAT/NAP
Start	148	End	723
GI	4417306	Score	235
Exons	148..723		
GI Descrip.	(AC006446) putative Athila retroelement ORF1 protein [Arabidopsis thaliana]		

Seq. No.	9496	Seq. ID	OJ990520_10.0211.C3
Gene No.	20331	Strand	+
Start	95	End	723
Name	OJ990520_10.0211.C3.o1.tw	Method	TBLASTX:Wheat
Start	402	End	722
GI	none	Score	101
Exons	402..518, 534..722		

Seq. No.	9497	Seq. ID	OJ990520_10.0211.C5
Gene No.	20332	Strand	+
Start	1	End	2917
Name	OJ990520_10.0211.C5.o1.np	Method	AAT/NAP
Start	1	End	2917
GI	5295955	Score	268
Exons	1..54, 1262..1331, 1872..1985, 2666..2917		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	9497	Seq. ID	OJ990520_10.0211.C5
Gene No.	20332	Strand	+
Start	1	End	2917
Name	OJ990520_10.0211.C5.o1.gs	Method	GENSCAN
Start	189	End	2491
GI	none	Score	.77
Exons	189..277, 1117..1400, 1827..1926, 2410..2491		

Seq. No.	9498	Seq. ID	OJ990520_10.0211.C6
Gene No.	20333	Strand	+
Start	285	End	610
Name	OJ990520_10.0211.C6.o1.gs	Method	GENSCAN
Start	285	End	610
GI	none	Score	.46
Exons	285..451, 456..610		

Seq. No.	9499	Seq. ID	OJ990520_10.0211.C7
Gene No.	20334	Strand	-
Start	201	End	451
Name	OJ990520_10.0211.C7.o1.gs	Method	GENSCAN
Start	201	End	451
GI	none	Score	.64
Exons	201..290, 378..451		

Seq. No.	9500	Seq. ID	OJ990520_10.0211.C8
Gene No.	20335	Strand	+
Start	1364	End	9039
Name	OJ990520_10.0211.C8.o1.gp	Method	AAT/GAP
Start	1302	End	2745
GI	LIB3477-001-P1-K1-D8	Score	589
Exons	1302..1592, 2676..2745		
GI Descrip.	'3550982/dbj|BAA32702| 2.0e-35 (AB010690) mutM homologue-1 [Arabidopsis thaliana] >gi_5903053_gb_AAD55612.1_AC008016_22 (AC008016) Identical to gb_AB010690 mutM homologue-1 (formamidopyrimidine-DNA glycosylase 1) from Arabidopsis thaliana. EST gb_Z18192 comes from this gene'		

Seq. No.	9500	Seq. ID	OJ990520_10.0211.C8
Gene No.	20335	Strand	+
Start	1364	End	9039
Name	OJ990520_10.0211.C8.o1.np	Method	AAT/NAP
Start	1364	End	9027
GI	3820620	Score	880
Exons	1364..1592, 2676..2727, 4448..4505, 5281..5349, 5441..5566, 5883..5933, 7440..7517, 8290..8392, 8471..8505, 8593..8727, 8782..9027		
GI Descrip.	(AF099970) putative formamidopyrimidine-DNA glycosylase 1 [Arabidopsis thaliana]		

Seq. No.	9500	Seq. ID	OJ990520_10.0211.C8
Gene No.	20335	Strand	+
Start	1364	End	9039
Name	OJ990520_10.0211.C8.o2.gs	Method	GENSCAN
Start	1364	End	9039
GI	none	Score	.65
Exons	1364..1592, 3731..3783, 5441..5566, 5883..5933, 7440..7517, 8290..8392, 8471..8505, 8593..9039		

Seq. No.	9500	Seq. ID	OJ990520_10.0211.C8
Gene No.	20336	Strand	+
Start	10462	End	13871
Name	OJ990520_10.0211.C8.o3.gs	Method	GENSCAN
Start	10462	End	13871
GI	none	Score	.77

Exons	10462..10594, 11261..11771, 11777..11820, 11826..12055, 12505..12640, 13164..13328, 13429..13871		
Seq. No.	9500	Seq. ID	OJ990520_10.0211.C8
Gene No.	20337	Strand	+
Start	22830	End	23451
Name	OJ990520_10.0211.C8.o5.gs	Method	GENSCAN
Start	22830	End	23451
GI	none	Score	.74
Exons	22830..23184, 23336..23451		
Seq. No.	9500	Seq. ID	OJ990520_10.0211.C8
Gene No.	20338	Strand	-
Start	383	End	616
Name	OJ990520_10.0211.C8.o1.gs	Method	GENSCAN
Start	383	End	616
GI	none	Score	.52
Exons	383..616		
Seq. No.	9500	Seq. ID	OJ990520_10.0211.C8
Gene No.	20339	Strand	-
Start	10485	End	10805
Name	OJ990520_10.0211.C8.o2.gp	Method	AAT/GAP
Start	10485	End	10805
GI	568162	Score	610
Exons	10485..10805		
Seq. No.	9500	Seq. ID	OJ990520_10.0211.C8
Gene No.	20340	Strand	-
Start	16485	End	16907
Name	OJ990520_10.0211.C8.o3.gp	Method	AAT/GAP
Start	16485	End	16907
GI	none	Score	758
Exons	16485..16907		
Seq. No.	9500	Seq. ID	OJ990520_10.0211.C8
Gene No.	20341	Strand	-
Start	17242	End	17561
Name	OJ990520_10.0211.C8.o4.gp	Method	AAT/GAP
Start	17242	End	17561
GI	none	Score	578
Exons	17242..17561		
Seq. No.	9500	Seq. ID	OJ990520_10.0211.C8
Gene No.	20342	Strand	-
Start	17973	End	20488
Name	OJ990520_10.0211.C8.o2.tc	Method	TBLASTX:Cress
Start	1364	End	8637
GI	none	Score	285
Exons	1364..1594, 1414..1593, 2674..2730, 2675..2731, 4446..4502, 5278..5355, 5278..5355, 5422..5577, 5441..5566, 5449..5571, 5880..5933, 7412..7522, 7440..7520, 8289..8396, 8290..8397, 8449..8505, 8454..8510, 8455..8511, 8457..8513, 8590..8637, 8602..8631		
Seq. No.	9500	Seq. ID	OJ990520_10.0211.C8
Gene No.	20342	Strand	-

Start	17973	End	20488
Name	OJ990520_10.0211.C8.o2.ts	Method	TBLASTX:Soybean
Start	1364	End	5322
GI	none	Score	288
Exons	1364..1594, 1414..1593, 2675..2731, 4446..4502, 5278..5322		

Seq. No.	9500	Seq. ID	OJ990520_10.0211.C8
Gene No.	20342	Strand	-
Start	17973	End	20488
Name	OJ990520_10.0211.C8.o4.tm	Method	TBLASTX:Maize
Start	1504	End	5566
GI	none	Score	142
Exons	1504..1593, 1505..1594, 1506..1604, 2675..2743, 2723..2794, 5281..5349, 5282..5344, 5283..5345, 5422..5565, 5441..5566		

Seq. No.	9500	Seq. ID	OJ990520_10.0211.C8
Gene No.	20342	Strand	-
Start	17973	End	20488
Name	OJ990520_10.0211.C8.o5.tm	Method	TBLASTX:Maize
Start	10461	End	10712
GI	none	Score	113
Exons	10461..10700, 10470..10670, 10504..10671, 10680..10712		

Seq. No.	9500	Seq. ID	OJ990520_10.0211.C8
Gene No.	20342	Strand	-
Start	17973	End	20488
Name	OJ990520_10.0211.C8.o3.tm	Method	TBLASTX:Maize
Start	16241	End	17042
GI	none	Score	39
Exons	16241..16285, 16262..16432, 16262..16432, 16287..16439, 16287..16436, 16422..16712, 16511..16711, 16584..16712, 16615..16716, 16621..16722, 16704..17042, 16705..16953, 16731..17033		

Seq. No.	9500	Seq. ID	OJ990520_10.0211.C8
Gene No.	20342	Strand	-
Start	17973	End	20488
Name	OJ990520_10.0211.C8.o1.tm	Method	TBLASTX:Maize
Start	17068	End	18230
GI	none	Score	60
Exons	17068..17097, 17129..17206, 17142..17216, 17262..17507, 17289..17423, 17302..17517, 17569..17703, 17571..17696, 17667..17924, 17701..17928, 17703..17930, 17920..18096, 17922..18068, 18060..18230, 18062..18196, 18064..18228		

Seq. No.	9500	Seq. ID	OJ990520_10.0211.C8
Gene No.	20342	Strand	-
Start	17973	End	20488
Name	OJ990520_10.0211.C8.o1.tc	Method	TBLASTX:Cress
Start	17562	End	17976
GI	none	Score	92
Exons	17562..17693, 17571..17693, 17575..17694, 17579..17698, 17679..17954, 17679..17954, 17680..17976		

Seq. No.	9500	Seq. ID	OJ990520_10.0211.C8
Gene No.	20342	Strand	-
Start	17973	End	20488

Name	OJ990520_10.0211.C8.o4.ts	Method	TBLASTX:Soybean
Start	17856	End	18140
GI	none	Score	124
Exons	17856..18110, 17890..18111, 17892..18122, 18088..18138, 18108..18140		

Seq. No.	9500	Seq. ID	OJ990520_10.0211.C8
Gene No.	20342	Strand	-
Start	17973	End	20488
Name	OJ990520_10.0211.C8.o5.gp	Method	AAT/GAP
Start	17973	End	19935
GI	none	Score	1240
Exons	17973..18330, 18413..18654, 19884..19935		

Seq. No.	9500	Seq. ID	OJ990520_10.0211.C8
Gene No.	20342	Strand	-
Start	17973	End	20488
Name	OJ990520_10.0211.C8.o2.tm	Method	TBLASTX:Maize
Start	18230	End	20488
GI	none	Score	103
Exons	18230..18328, 18231..18368, 18413..18568, 18413..18643, 18415..18645, 18417..18644, 18417..18653, 18418..18654, 19884..20009, 19900..20010, 19900..20016, 20100..20267, 20115..20237, 20116..20286, 20117..20317, 20117..20461, 20185..20475, 20340..20486, 20390..20488		

Seq. No.	9500	Seq. ID	OJ990520_10.0211.C8
Gene No.	20342	Strand	-
Start	17973	End	20488
Name	OJ990520_10.0211.C8.o1.ts	Method	TBLASTX:Soybean
Start	19884	End	20252
GI	none	Score	126
Exons	19884..20009, 19885..20010, 19888..20010, 20100..20252, 20115..20237		

Seq. No.	9500	Seq. ID	OJ990520_10.0211.C8
Gene No.	20343	Strand	
Start	20484	End	22458
Name	OJ990520_10.0211.C8.o3.ts	Method	TBLASTX:Soybean
Start	20484	End	22458
GI	none	Score	134
Exons	20484..20690, 20484..20690, 22361..22405, 22396..22458		

Seq. No.	9501	Seq. ID	OJ990520_10.0211.C9
Gene No.	20344	Strand	-
Start	79	End	725
Name	OJ990520_10.0211.C9.o1.gs	Method	GENSCAN
Start	79	End	725
GI	none	Score	.84
Exons	79..247, 402..725		

Seq. No.	9501	Seq. ID	OJ990520_10.0211.C9
Gene No.	20344	Strand	-
Start	79	End	725
Name	OJ990520_10.0211.C9.o1.tm	Method	TBLASTX:Maize
Start	224	End	680
GI	none	Score	235

Exons	224..328, 405..680		
Seq. No.	9502	Seq. ID	OJ990520_10.0211.C10
Gene No.	20345	Strand	+
Start	96	End	201
Name	OJ990520_10.0211.C10.o1.gp	Method	AAT/GAP
Start	96	End	201
GI	uC-osf1cyp088b12b1	Score	128
Exons	96..201		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		
Seq. No.	9503	Seq. ID	OJ990520_10.0211.C11
Gene No.	20346	Strand	-
Start	278	End	526
Name	OJ990520_10.0211.C11.o1.gs	Method	GENSCAN
Start	278	End	526
GI	none	Score	.71
Exons	278..526		
Seq. No.	9504	Seq. ID	OJ990520_10.0211.C12
Gene No.	20347	Strand	-
Start	283	End	430
Name	OJ990520_10.0211.C12.o1.gs	Method	GENSCAN
Start	283	End	430
GI	none	Score	.55
Exons	283..305, 373..430		
Seq. No.	9505	Seq. ID	OJ990520_10.0211.C14
Gene No.	20348	Strand	+
Start	35	End	119
Name	OJ990520_10.0211.C14.o1.gp	Method	AAT/GAP
Start	35	End	119
GI	LIB3433-026-P1-K1-C1	Score	136
Exons	35..119		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-44 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		
Seq. No.	9506	Seq. ID	OJ990520_10.0211.C18
Gene No.	20349	Strand	+
Start	1585	End	1833
Name	OJ990520_10.0211.C18.o1.gs	Method	GENSCAN
Start	1585	End	1833
GI	none	Score	.62
Exons	1585..1833		
Seq. No.	9507	Seq. ID	OJ990520_10.0211.C19
Gene No.	20350	Strand	+
Start	1	End	302
Name	OJ990520_10.0211.C19.o1.np	Method	AAT/NAP
Start	1	End	302
GI	5852181	Score	110
Exons	1..302		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		
Seq. No.	9507	Seq. ID	OJ990520_10.0211.C19
Gene No.	20351	Strand	+

Start	227	End	2598
Name	OJ990520_10.0211.C19.o1.gs	Method	GENSCAN
Start	227	End	2598
GI	none	Score	.62
Exons	227..475, 768..919, 1323..1411, 1982..2598		

Seq. No.	9507	Seq. ID	OJ990520_10.0211.C19
Gene No.	20352	Strand	+
Start	5148	End	5457
Name	OJ990520_10.0211.C19.o2.np	Method	AAT/NAP
Start	5148	End	5457
GI	6815052	Score	259
Exons	5148..5301, 5383..5457		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	9508	Seq. ID	OJ990520_10.0211.C20
Gene No.	20353	Strand	+
Start	482	End	6898
Name	OJ990520_10.0211.C20.o1.np	Method	AAT/NAP
Start	482	End	2033
GI	5852180	Score	467
Exons	482..535, 1515..2033		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	9508	Seq. ID	OJ990520_10.0211.C20
Gene No.	20353	Strand	+
Start	482	End	6898
Name	OJ990520_10.0211.C20.o1.gs	Method	GENSCAN
Start	725	End	6898
GI	none	Score	.42
Exons	725..785, 1499..1975, 2878..3073, 3303..3402, 4112..4124, 4478..4582, 4940..5188, 5723..6091, 6374..6569, 6799..6898		

Seq. No.	9508	Seq. ID	OJ990520_10.0211.C20
Gene No.	20353	Strand	+
Start	482	End	6898
Name	OJ990520_10.0211.C20.o2.np	Method	AAT/NAP
Start	2855	End	6492
GI	6815052	Score	1548
Exons	2855..3003, 3311..3402, 4259..4365, 5067..5188, 5237..5935, 6017..6091, 6374..6492		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	9508	Seq. ID	OJ990520_10.0211.C20
Gene No.	20354	Strand	-
Start	384	End	765
Name	OJ990520_10.0211.C20.o1.gp	Method	AAT/GAP
Start	384	End	765
GI	uC-osflcyp033a04b1	Score	659
Exons	384..765		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	9508	Seq. ID	OJ990520_10.0211.C20
Gene No.	20355	Strand	
Start	4585	End	5082
Name	OJ990520_10.0211.C20.o1.tw	Method	TBLASTX:Wheat

Start	4585	End	5082
GI	none	Score	319
Exons	4585..5082, 4609..4875, 4821..4979		

Seq. No.	9509	Seq. ID	OJ990520_10.0211.C21
Gene No.	20356	Strand	+
Start	861	End	979
Name	OJ990520_10.0211.C21.o1.gs	Method	GENSCAN
Start	861	End	979
GI	none	Score	.44
Exons	861..979		

Seq. No.	9510	Seq. ID	OJ990520_10.0211.C22
Gene No.	20357	Strand	+
Start	2318	End	3586
Name	OJ990520_10.0211.C22.o2.gs	Method	GENSCAN
Start	2318	End	3586
GI	none	Score	.47
Exons	2318..2699, 2829..3586		

Seq. No.	9511	Seq. ID	OJ990520_10.0211.C23
Gene No.	20358	Strand	+
Start	1	End	2898
Name	OJ990520_10.0211.C23.o2.np	Method	AAT/NAP
Start	1	End	2898
GI	4378066	Score	221
Exons	1..23, 1927..2359, 2876..2898		
GI Descrip.	(AF098806) polyprotein [Sorghum bicolor] gi|4680208|gb|AAD27571.1|AF114171_12 (AF114171) polyprotein [Sorghum bicolor]		

Seq. No.	9511	Seq. ID	OJ990520_10.0211.C23
Gene No.	20358	Strand	+
Start	1	End	2898
Name	OJ990520_10.0211.C23.o1.tw	Method	TBLASTX:Wheat
Start	1991	End	2350
GI	none	Score	93
Exons	1991..2125, 2194..2343, 2198..2350		

Seq. No.	9512	Seq. ID	OJ990520_10.0211.C24
Gene No.	20359	Strand	+
Start	1149	End	11458
Name	OJ990520_10.0211.C24.o1.gs	Method	GENSCAN
Start	1149	End	11458
GI	none	Score	.41
Exons	1149..1319, 1547..1958, 2148..2257, 2441..2535, 2801..2978, 3112..3201, 3234..3372, 3498..3695, 4512..4676, 6651..6919, 7002..7169, 7662..7714, 8166..8727, 8890..9324, 9425..9738, 9871..10358, 10887..11458		

Seq. No.	9512	Seq. ID	OJ990520_10.0211.C24
Gene No.	20359	Strand	+
Start	1149	End	11458
Name	OJ990520_10.0211.C24.o1.np	Method	AAT/NAP
Start	3374	End	3594
GI	1363478	Score	264
Exons	3374..3594		

GI Descrip.	probable NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) chain 1 - watermelon mitochondrion gi|12875|emb|CAA27743| (X04130) URF-1 [Citrullus lanatus]		
Seq. No.	9512	Seq. ID	OJ990520_10.0211.C24
Gene No.	20359	Strand	+
Start	1149	End	11458
Name	OJ990520_10.0211.C24.o2.np	Method	AAT/NAP
Start	8194	End	11443
GI	4544372	Score	961
Exons	8194..8825, 8885..9306, 9410..10438, 10913..11443		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		
Seq. No.	9512	Seq. ID	OJ990520_10.0211.C24
Gene No.	20360	Strand	-
Start	11806	End	14751
Name	OJ990520_10.0211.C24.o1.tc	Method	TBLASTX:Cress
Start	3376	End	3571
GI	none	Score	163
Exons	3376..3483, 3377..3571, 3377..3568		
Seq. No.	9512	Seq. ID	OJ990520_10.0211.C24
Gene No.	20360	Strand	-
Start	11806	End	14751
Name	OJ990520_10.0211.C24.o1.tw	Method	TBLASTX:Wheat
Start	8203	End	8490
GI	none	Score	334
Exons	8203..8490, 8205..8447		
Seq. No.	9512	Seq. ID	OJ990520_10.0211.C24
Gene No.	20360	Strand	-
Start	11806	End	14751
Name	OJ990520_10.0211.C24.o1.tm	Method	TBLASTX:Maize
Start	8359	End	8820
GI	none	Score	559
Exons	8359..8820, 8359..8757, 8508..8819		
Seq. No.	9512	Seq. ID	OJ990520_10.0211.C24
Gene No.	20360	Strand	-
Start	11806	End	14751
Name	OJ990520_10.0211.C24.o3.tw	Method	TBLASTX:Wheat
Start	8491	End	8826
GI	none	Score	204
Exons	8491..8826, 8508..8822		
Seq. No.	9512	Seq. ID	OJ990520_10.0211.C24
Gene No.	20360	Strand	-
Start	11806	End	14751
Name	OJ990520_10.0211.C24.o2.ts	Method	TBLASTX:Soybean
Start	8506	End	8976
GI	none	Score	225
Exons	8506..8787, 8544..8681, 8788..8976, 8820..8963		
Seq. No.	9512	Seq. ID	OJ990520_10.0211.C24
Gene No.	20360	Strand	-
Start	11806	End	14751

Name	OJ990520_10.0211.C24.o1.ts	Method	TBLASTX:Soybean
Start	9127	End	9535
GI	none	Score	155
Exons	9127..9264, 9129..9278, 9285..9368, 9286..9405, 9413..9535		

Seq. No.	9512	Seq. ID	OJ990520_10.0211.C24
Gene No.	20360	Strand	-
Start	11806	End	14751
Name	OJ990520_10.0211.C24.o2.tm	Method	TBLASTX:Maize
Start	9986	End	10366
GI	none	Score	80
Exons	9986..10144, 10142..10366		

Seq. No.	9512	Seq. ID	OJ990520_10.0211.C24
Gene No.	20360	Strand	-
Start	11806	End	14751
Name	OJ990520_10.0211.C24.o4.ts	Method	TBLASTX:Soybean
Start	9989	End	10387
GI	none	Score	228
Exons	9989..10387, 10093..10287		

Seq. No.	9512	Seq. ID	OJ990520_10.0211.C24
Gene No.	20360	Strand	-
Start	11806	End	14751
Name	OJ990520_10.0211.C24.o2.tw	Method	TBLASTX:Wheat
Start	11012	End	11422
GI	none	Score	210
Exons	11012..11422, 11221..11367		

Seq. No.	9512	Seq. ID	OJ990520_10.0211.C24
Gene No.	20360	Strand	-
Start	11806	End	14751
Name	OJ990520_10.0211.C24.o3.ts	Method	TBLASTX:Soybean
Start	11204	End	11452
GI	none	Score	235
Exons	11204..11452, 11206..11376		

Seq. No.	9512	Seq. ID	OJ990520_10.0211.C24
Gene No.	20360	Strand	-
Start	11806	End	14751
Name	OJ990520_10.0211.C24.o2.gs	Method	GENSCAN
Start	11806	End	14751
GI	none	Score	.47
Exons	11806..12489, 12568..12651, 12968..13302, 13468..14356, 14361..14531, 14659..14751		

Seq. No.	9513	Seq. ID	OJ990520_10.0211.C26
Gene No.	20361	Strand	+
Start	1	End	729
Name	OJ990520_10.0211.C26.o1.np	Method	AAT/NAP
Start	1	End	729
GI	4544372	Score	374
Exons	1..22, 155..729		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	9513	Seq. ID	OJ990520_10.0211.C26

Gene No.	20361	Strand	+
Start	1	End	729
Name	OJ990520_10.0211.C26.o1.gs	Method	GENSCAN
Start	89	End	676
GI	none	Score	.96
Exons	89..676		

Seq. No.	9513	Seq. ID	OJ990520_10.0211.C26
Gene No.	20361	Strand	+
Start	1	End	729
Name	OJ990520_10.0211.C26.o1.tw	Method	TBLASTX:Wheat
Start	152	End	439
GI	none	Score	334
Exons	152..439, 154..396		

Seq. No.	9513	Seq. ID	OJ990520_10.0211.C26
Gene No.	20361	Strand	+
Start	1	End	729
Name	OJ990520_10.0211.C26.o1.tm	Method	TBLASTX:Maize
Start	308	End	727
GI	none	Score	512
Exons	308..727, 308..706, 457..726		

Seq. No.	9513	Seq. ID	OJ990520_10.0211.C26
Gene No.	20361	Strand	+
Start	1	End	729
Name	OJ990520_10.0211.C26.o1.ts	Method	TBLASTX:Soybean
Start	383	End	613
GI	none	Score	221
Exons	383..613, 407..589, 475..612		

Seq. No.	9513	Seq. ID	OJ990520_10.0211.C26
Gene No.	20361	Strand	+
Start	1	End	729
Name	OJ990520_10.0211.C26.o2.tw	Method	TBLASTX:Wheat
Start	440	End	721
GI	none	Score	194
Exons	440..721, 457..720		

Seq. No.	9514	Seq. ID	OJ990520_10.0211.C27
Gene No.	20362	Strand	-
Start	1	End	786
Name	OJ990520_10.0211.C27.o1.np	Method	AAT/NAP
Start	1	End	786
GI	5852093	Score	75
Exons	1..39, 247..352, 711..786		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	9514	Seq. ID	OJ990520_10.0211.C27
Gene No.	20362	Strand	-
Start	1	End	786
Name	OJ990520_10.0211.C27.o1.gs	Method	GENSCAN
Start	242	End	727
GI	none	Score	.73
Exons	242..727		

Seq. No.	9515	Seq. ID	OJ990520_10.0211.C28

Gene No.	20363	Strand	+
Start	364	End	2707
Name	OJ990520_10.0211.C28.o1.gs	Method	GENSCAN
Start	364	End	2707
GI	none	Score	.84
Exons	364..383, 809..880, 1851..1908, 2001..2154, 2601..2707		

Seq. No.	9515	Seq. ID	OJ990520_10.0211.C28
Gene No.	20363	Strand	+
Start	364	End	2707
Name	OJ990520_10.0211.C28.o1.np	Method	AAT/NAP
Start	2001	End	2206
GI	4680186	Score	237
Exons	2001..2206		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	9515	Seq. ID	OJ990520_10.0211.C28
Gene No.	20364	Strand	-
Start	1753	End	2134
Name	OJ990520_10.0211.C28.o1.gp	Method	AAT/GAP
Start	1753	End	2134
GI	uC-osflcyp033a04b1	Score	639
Exons	1753..2134		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	9515	Seq. ID	OJ990520_10.0211.C28
Gene No.	20365	Strand	-
Start	2600	End	2966
Name	OJ990520_10.0211.C28.o2.np	Method	AAT/NAP
Start	2600	End	2966
GI	6907087	Score	132
Exons	2600..2701, 2846..2966		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	9516	Seq. ID	OJ990520_10.0211.C29
Gene No.	20366	Strand	-
Start	1	End	734
Name	OJ990520_10.0211.C29.o1.np	Method	AAT/NAP
Start	1	End	721
GI	6907087	Score	308
Exons	1..299, 342..721		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	9516	Seq. ID	OJ990520_10.0211.C29
Gene No.	20366	Strand	-
Start	1	End	734
Name	OJ990520_10.0211.C29.o2.np	Method	AAT/NAP
Start	615	End	734
GI	6498436	Score	130
Exons	615..734		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	9517	Seq. ID	OJ990520_10.0211.C30
Gene No.	20367	Strand	+
Start	92	End	208
Name	OJ990520_10.0211.C30.o1.gs	Method	GENSCAN
Start	92	End	208
GI	none	Score	.62
Exons	92..208		

Seq. No.	9518	Seq. ID	OJ990520_10.0211.C32
Gene No.	20368	Strand	+
Start	1	End	360
Name	OJ990520_10.0211.C32.o1.gp	Method	AAT/GAP
Start	1	End	360
GI	uC-osflcyp033a04b1	Score	619
Exons	1..360		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	9518	Seq. ID	OJ990520_10.0211.C32
Gene No.	20369	Strand	-
Start	1	End	1002
Name	OJ990520_10.0211.C32.o1.np	Method	AAT/NAP
Start	1	End	1002
GI	4680186	Score	224
Exons	1..112, 951..1002		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	9519	Seq. ID	OJ990520_10.0211.C33
Gene No.	20370	Strand	-
Start	107	End	2703
Name	OJ990520_10.0211.C33.o1.np	Method	AAT/NAP
Start	107	End	2703
GI	6691191	Score	2527
Exons	107..2703		
GI Descrip.	(AC007534) F7F22.15 [Arabidopsis thaliana]		

Seq. No.	9519	Seq. ID	OJ990520_10.0211.C33
Gene No.	20370	Strand	-
Start	107	End	2703
Name	OJ990520_10.0211.C33.o1.ts	Method	TBLASTX:Soybean
Start	147	End	691
GI	none	Score	44
Exons	147..293, 203..292, 302..691, 309..689		

Seq. No.	9519	Seq. ID	OJ990520_10.0211.C33
Gene No.	20370	Strand	-
Start	107	End	2703
Name	OJ990520_10.0211.C33.o2.tw	Method	TBLASTX:Wheat
Start	299	End	685
GI	none	Score	182
Exons	299..679, 300..623, 326..685		

Seq. No.	9519	Seq. ID	OJ990520_10.0211.C33
Gene No.	20370	Strand	-
Start	107	End	2703
Name	OJ990520_10.0211.C33.o5.ts	Method	TBLASTX:Soybean
Start	692	End	1015

GI	none	Score	89
Exons	692..865, 693..818, 826..975, 830..976, 973..1014, 974..1015		
Seq. No.	9519	Seq. ID	OJ990520_10.0211.C33
Gene No.	20370	Strand	-
Start	107	End	2703
Name	OJ990520_10.0211.C33.o6.tw	Method	TBLASTX:Wheat
Start	704	End	1018
GI	none	Score	127
Exons	704..847, 823..1014, 830..1018		
Seq. No.	9519	Seq. ID	OJ990520_10.0211.C33
Gene No.	20370	Strand	-
Start	107	End	2703
Name	OJ990520_10.0211.C33.o1.gs	Method	GENSCAN
Start	817	End	2559
GI	none	Score	.67
Exons	817..966, 996..1155, 1385..1535, 1662..1740, 1876..2559		
Seq. No.	9519	Seq. ID	OJ990520_10.0211.C33
Gene No.	20370	Strand	-
Start	107	End	2703
Name	OJ990520_10.0211.C33.o1.tc	Method	TBLASTX:Cress
Start	1036	End	1419
GI	none	Score	71
Exons	1036..1338, 1037..1186, 1226..1339, 1342..1419		
Seq. No.	9519	Seq. ID	OJ990520_10.0211.C33
Gene No.	20370	Strand	-
Start	107	End	2703
Name	OJ990520_10.0211.C33.o4.tw	Method	TBLASTX:Wheat
Start	1132	End	1602
GI	none	Score	82
Exons	1132..1335, 1339..1410, 1402..1602, 1418..1600		
Seq. No.	9519	Seq. ID	OJ990520_10.0211.C33
Gene No.	20370	Strand	-
Start	107	End	2703
Name	OJ990520_10.0211.C33.o4.ts	Method	TBLASTX:Soybean
Start	1462	End	1596
GI	none	Score	84
Exons	1462..1596, 1475..1582, 1480..1596		
Seq. No.	9519	Seq. ID	OJ990520_10.0211.C33
Gene No.	20370	Strand	-
Start	107	End	2703
Name	OJ990520_10.0211.C33.o3.tw	Method	TBLASTX:Wheat
Start	1615	End	1917
GI	none	Score	51
Exons	1615..1917, 1647..1709, 1730..1915, 1788..1916		
Seq. No.	9519	Seq. ID	OJ990520_10.0211.C33
Gene No.	20370	Strand	-
Start	107	End	2703
Name	OJ990520_10.0211.C33.o1.tm	Method	TBLASTX:Maize
Start	1639	End	2187
GI	none	Score	259

Exons	1639..1782, 1774..2187		
Seq. No.	9519	Seq. ID	OJ990520_10.0211.C33
Gene No.	20370	Strand	-
Start	107	End	2703
Name	OJ990520_10.0211.C33.o2.ts	Method	TBLASTX:Soybean
Start	1708	End	2061
GI	none	Score	69
Exons	1708..1935, 1708..1995, 1727..1996, 1996..2061		
Seq. No.	9519	Seq. ID	OJ990520_10.0211.C33
Gene No.	20370	Strand	-
Start	107	End	2703
Name	OJ990520_10.0211.C33.o1.tw	Method	TBLASTX:Wheat
Start	1920	End	2352
GI	none	Score	54
Exons	1920..2066, 1921..2352, 1939..2340, 1964..2350		
Seq. No.	9519	Seq. ID	OJ990520_10.0211.C33
Gene No.	20370	Strand	-
Start	107	End	2703
Name	OJ990520_10.0211.C33.o2.tm	Method	TBLASTX:Maize
Start	2203	End	2565
GI	none	Score	229
Exons	2203..2565		
Seq. No.	9519	Seq. ID	OJ990520_10.0211.C33
Gene No.	20370	Strand	-
Start	107	End	2703
Name	OJ990520_10.0211.C33.o3.ts	Method	TBLASTX:Soybean
Start	2428	End	2668
GI	none	Score	72
Exons	2428..2667, 2473..2664, 2579..2668		
Seq. No.	9519	Seq. ID	OJ990520_10.0211.C33
Gene No.	20370	Strand	-
Start	107	End	2703
Name	OJ990520_10.0211.C33.o5.tw	Method	TBLASTX:Wheat
Start	2449	End	2667
GI	none	Score	78
Exons	2449..2667, 2567..2662		
Seq. No.	9520	Seq. ID	OJ990520_10.0211.C34
Gene No.	20371	Strand	-
Start	205	End	3512
Name	OJ990520_10.0211.C34.o1.gs	Method	GENSCAN
Start	205	End	3512
GI	none	Score	.87
Exons	205..1613, 1804..1937, 3358..3512		
Seq. No.	9520	Seq. ID	OJ990520_10.0211.C34
Gene No.	20372	Strand	-
Start	7274	End	12619
Name	OJ990520_10.0211.C34.o1.ts	Method	TBLASTX:Soybean
Start	2	End	247
GI	none	Score	142
Exons	2..247, 63..233		

Seq. No.	9520	Seq. ID	OJ990520_10.0211.C34
Gene No.	20372	Strand	-
Start	7274	End	12619
Name	OJ990520_10.0211.C34.o1.tw	Method	TBLASTX:Wheat
Start	2	End	241
GI	none	Score	136
Exons	2..241, 3..239		

Seq. No.	9520	Seq. ID	OJ990520_10.0211.C34
Gene No.	20372	Strand	-
Start	7274	End	12619
Name	OJ990520_10.0211.C34.o3.gs	Method	GENSCAN
Start	7274	End	10432
GI	none	Score	.7
Exons	7274..7395, 7677..9090, 9565..9623, 10030..10432		

Seq. No.	9520	Seq. ID	OJ990520_10.0211.C34
Gene No.	20372	Strand	-
Start	7274	End	12619
Name	OJ990520_10.0211.C34.o1.np	Method	AAT/NAP
Start	7277	End	12619
GI	6815052	Score	1901
Exons	7277..7395, 7677..7751, 7833..8565, 8614..8763, 10552..10644, 11521..11620, 11912..12029, 12310..12384, 12466..12619		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	9520	Seq. ID	OJ990520_10.0211.C34
Gene No.	20372	Strand	-
Start	7274	End	12619
Name	OJ990520_10.0211.C34.o4.gs	Method	GENSCAN
Start	11167	End	12619
GI	none	Score	.65
Exons	11167..11258, 11396..11463, 11838..11907, 12310..12619		

Seq. No.	9521	Seq. ID	OJ990520_10.0211.C35
Gene No.	20373	Strand	+
Start	5764	End	9913
Name	OJ990520_10.0211.C35.o4.gs	Method	GENSCAN
Start	5764	End	9673
GI	none	Score	.5
Exons	5764..6301, 6706..6740, 7562..8569, 8678..8884, 9066..9219, 9539..9673		

Seq. No.	9521	Seq. ID	OJ990520_10.0211.C35
Gene No.	20373	Strand	+
Start	5764	End	9913
Name	OJ990520_10.0211.C35.o4.np	Method	AAT/NAP
Start	7221	End	9913
GI	6498441	Score	90
Exons	7221..7274, 9740..9913		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	9521	Seq. ID	OJ990520_10.0211.C35
Gene No.	20374	Strand	-

Start	1	End	390
Name	OJ990520_10.0211.C35.o1.np	Method	AAT/NAP
Start	1	End	390
GI	6815052	Score	236
Exons	1..164, 245..390		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	9521	Seq. ID	OJ990520_10.0211.C35
Gene No.	20374	Strand	-
Start	1	End	390
Name	OJ990520_10.0211.C35.o1.gs	Method	GENSCAN
Start	238	End	390
GI	none	Score	.99
Exons	238..390		

Seq. No.	9521	Seq. ID	OJ990520_10.0211.C35
Gene No.	20375	Strand	-
Start	1134	End	1576
Name	OJ990520_10.0211.C35.o2.gs	Method	GENSCAN
Start	1134	End	1576
GI	none	Score	.94
Exons	1134..1238, 1490..1576		

Seq. No.	9521	Seq. ID	OJ990520_10.0211.C35
Gene No.	20376	Strand	-
Start	2657	End	6952
Name	OJ990520_10.0211.C35.o2.np	Method	AAT/NAP
Start	2483	End	4458
GI	4325357	Score	410
Exons	2483..2963, 3758..4458		
GI Descrip.	(AF128395) contains similarity to Arabidopsis thaliana retrotransposon Athila hypothetical protein 1 (GB:X81801) [Arabidopsis thaliana]		

Seq. No.	9521	Seq. ID	OJ990520_10.0211.C35
Gene No.	20376	Strand	-
Start	2657	End	6952
Name	OJ990520_10.0211.C35.o3.gs	Method	GENSCAN
Start	2657	End	4562
GI	none	Score	.54
Exons	2657..3165, 3541..3925, 4347..4562		

Seq. No.	9521	Seq. ID	OJ990520_10.0211.C35
Gene No.	20376	Strand	-
Start	2657	End	6952
Name	OJ990520_10.0211.C35.o2.tw	Method	TBLASTX:Wheat
Start	2663	End	3064
GI	none	Score	64
Exons	2663..2842, 2688..2771, 2885..3064		

Seq. No.	9521	Seq. ID	OJ990520_10.0211.C35
Gene No.	20376	Strand	-
Start	2657	End	6952
Name	OJ990520_10.0211.C35.o1.tc	Method	TBLASTX:Cress
Start	3800	End	4108
GI	none	Score	190
Exons	3800..4108		

Seq. No.	9521	Seq. ID	OJ990520_10.0211.C35
Gene No.	20376	Strand	-
Start	2657	End	6952
Name	OJ990520_10.0211.C35.o1.ts	Method	TBLASTX:Soybean
Start	3845	End	6952
GI	none	Score	54
Exons	3845..4123, 3911..4111, 4151..4255, 4152..4220, 6800..6952		

Seq. No.	9521	Seq. ID	OJ990520_10.0211.C35
Gene No.	20376	Strand	-
Start	2657	End	6952
Name	OJ990520_10.0211.C35.o1.tw	Method	TBLASTX:Wheat
Start	3908	End	6928
GI	none	Score	94
Exons	3908..4123, 4139..4255, 6788..6928		

Seq. No.	9521	Seq. ID	OJ990520_10.0211.C35
Gene No.	20377	Strand	
Start	7460	End	7828
Name	OJ990520_10.0211.C35.o1.tm	Method	TBLASTX:Maize
Start	7460	End	7828
GI	none	Score	157
Exons	7460..7585, 7477..7584, 7610..7828, 7615..7731		

Seq. No.	9522	Seq. ID	OJ990520_10.0211.C36
Gene No.	20378	Strand	+
Start	168	End	214
Name	OJ990520_10.0211.C36.o1.gs	Method	GENSCAN
Start	168	End	214
GI	none	Score	.8
Exons	168..214		

Seq. No.	9522	Seq. ID	OJ990520_10.0211.C36
Gene No.	20379	Strand	-
Start	80	End	660
Name	OJ990520_10.0211.C36.o1.np	Method	AAT/NAP
Start	80	End	660
GI	5295955	Score	273
Exons	80..660		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	9523	Seq. ID	OJ990520_10.0211.C37
Gene No.	20380	Strand	+
Start	435	End	568
Name	OJ990520_10.0211.C37.o1.gs	Method	GENSCAN
Start	435	End	568
GI	none	Score	.66
Exons	435..568		

Seq. No.	9524	Seq. ID	OJ990520_10.0211.C38
Gene No.	20381	Strand	-
Start	84	End	172
Name	OJ990520_10.0211.C38.o1.gs	Method	GENSCAN
Start	84	End	172
GI	none	Score	.78

Exons	84..172		
Seq. No.	9525	Seq. ID	OJ990520_10.0211.C41
Gene No.	20382	Strand	+
Start	1042	End	9700
Name	OJ990520_10.0211.C41.o1.gs	Method	GENSCAN
Start	1042	End	9700
GI	none	Score	.66
Exons	1042..1935, 3088..3157, 4209..4823, 5272..8919, 9002..9700		
Seq. No.	9525	Seq. ID	OJ990520_10.0211.C41
Gene No.	20382	Strand	+
Start	1042	End	9700
Name	OJ990520_10.0211.C41.o2.np	Method	AAT/NAP
Start	4209	End	5002
GI	4512231	Score	1280
Exons	4209..5002		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		
Seq. No.	9525	Seq. ID	OJ990520_10.0211.C41
Gene No.	20382	Strand	+
Start	1042	End	9700
Name	OJ990520_10.0211.C41.o3.np	Method	AAT/NAP
Start	4947	End	9697
GI	4680179	Score	5609
Exons	4947..4992, 5272..6261, 6289..9697		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	9525	Seq. ID	OJ990520_10.0211.C41
Gene No.	20383	Strand	-
Start	1	End	386
Name	OJ990520_10.0211.C41.o1.np	Method	AAT/NAP
Start	1	End	386
GI	4558567	Score	94
Exons	1..170, 217..386		
GI Descrip.	(AC007138) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	9525	Seq. ID	OJ990520_10.0211.C41
Gene No.	20384	Strand	-
Start	10151	End	12786
Name	OJ990520_10.0211.C41.o9.tw	Method	TBLASTX:Wheat
Start	5433	End	5631
GI	none	Score	205
Exons	5433..5630, 5434..5631, 5458..5631		
Seq. No.	9525	Seq. ID	OJ990520_10.0211.C41
Gene No.	20384	Strand	-
Start	10151	End	12786
Name	OJ990520_10.0211.C41.o6.tm	Method	TBLASTX:Maize
Start	5683	End	5988
GI	none	Score	237
Exons	5683..5988, 5683..5970		
Seq. No.	9525	Seq. ID	OJ990520_10.0211.C41
Gene No.	20384	Strand	-
Start	10151	End	12786
Name	OJ990520_10.0211.C41.o7.tw	Method	TBLASTX:Wheat

Start	5683	End	6033
GI	none	Score	307
Exons	5683..6033		

Seq. No.	9525	Seq. ID	OJ990520_10.0211.C41
Gene No.	20384	Strand	-
Start	10151	End	12786
Name	OJ990520_10.0211.C41.o8.tw	Method	TBLASTX:Wheat
Start	6367	End	6720
GI	none	Score	250
Exons	6367..6720, 6457..6651		

Seq. No.	9525	Seq. ID	OJ990520_10.0211.C41
Gene No.	20384	Strand	-
Start	10151	End	12786
Name	OJ990520_10.0211.C41.o7.tm	Method	TBLASTX:Maize
Start	6724	End	6917
GI	none	Score	188
Exons	6724..6915, 6762..6917		

Seq. No.	9525	Seq. ID	OJ990520_10.0211.C41
Gene No.	20384	Strand	-
Start	10151	End	12786
Name	OJ990520_10.0211.C41.o4.tw	Method	TBLASTX:Wheat
Start	6852	End	7335
GI	none	Score	535
Exons	6852..7292, 6853..7335, 6889..7332		

Seq. No.	9525	Seq. ID	OJ990520_10.0211.C41
Gene No.	20384	Strand	-
Start	10151	End	12786
Name	OJ990520_10.0211.C41.o4.ts	Method	TBLASTX:Soybean
Start	6889	End	7203
GI	none	Score	198
Exons	6889..7203		

Seq. No.	9525	Seq. ID	OJ990520_10.0211.C41
Gene No.	20384	Strand	-
Start	10151	End	12786
Name	OJ990520_10.0211.C41.o4.tm	Method	TBLASTX:Maize
Start	6918	End	7365
GI	none	Score	373
Exons	6918..7160, 6922..7365		

Seq. No.	9525	Seq. ID	OJ990520_10.0211.C41
Gene No.	20384	Strand	-
Start	10151	End	12786
Name	OJ990520_10.0211.C41.o1.ts	Method	TBLASTX:Soybean
Start	7276	End	7671
GI	none	Score	57
Exons	7276..7308, 7276..7308, 7312..7365, 7314..7355, 7420..7671, 7428..7661		

Seq. No.	9525	Seq. ID	OJ990520_10.0211.C41
Gene No.	20384	Strand	-
Start	10151	End	12786
Name	OJ990520_10.0211.C41.o5.tm	Method	TBLASTX:Maize

Start	7420	End	7752
GI	none	Score	310
Exons	7420..7752, 7473..7751		

Seq. No.	9525	Seq. ID	OJ990520_10.0211.C41
Gene No.	20384	Strand	-
Start	10151	End	12786
Name	OJ990520_10.0211.C41.o5.tw	Method	TBLASTX:Wheat
Start	7423	End	7686
GI	none	Score	373
Exons	7423..7686, 7425..7685		

Seq. No.	9525	Seq. ID	OJ990520_10.0211.C41
Gene No.	20384	Strand	-
Start	10151	End	12786
Name	OJ990520_10.0211.C41.o3.tw	Method	TBLASTX:Wheat
Start	7687	End	8112
GI	none	Score	593
Exons	7687..8112, 7689..8105, 7762..8112		

Seq. No.	9525	Seq. ID	OJ990520_10.0211.C41
Gene No.	20384	Strand	-
Start	10151	End	12786
Name	OJ990520_10.0211.C41.o3.ts	Method	TBLASTX:Soybean
Start	7693	End	7941
GI	none	Score	203
Exons	7693..7941		

Seq. No.	9525	Seq. ID	OJ990520_10.0211.C41
Gene No.	20384	Strand	-
Start	10151	End	12786
Name	OJ990520_10.0211.C41.o2.tm	Method	TBLASTX:Maize
Start	7759	End	8112
GI	none	Score	457
Exons	7759..8112, 7764..8105		

Seq. No.	9525	Seq. ID	OJ990520_10.0211.C41
Gene No.	20384	Strand	-
Start	10151	End	12786
Name	OJ990520_10.0211.C41.o2.tw	Method	TBLASTX:Wheat
Start	8140	End	8680
GI	none	Score	622
Exons	8140..8679, 8322..8675, 8426..8680		

Seq. No.	9525	Seq. ID	OJ990520_10.0211.C41
Gene No.	20384	Strand	-
Start	10151	End	12786
Name	OJ990520_10.0211.C41.o1.tc	Method	TBLASTX:Cress
Start	8377	End	8703
GI	none	Score	91
Exons	8377..8559, 8560..8703, 8562..8702		

Seq. No.	9525	Seq. ID	OJ990520_10.0211.C41
Gene No.	20384	Strand	-
Start	10151	End	12786
Name	OJ990520_10.0211.C41.o2.ts	Method	TBLASTX:Soybean
Start	8467	End	8727

GI	none	Score	301
Exons	8467..8727, 8478..8726		
Seq. No.	9525	Seq. ID	OJ990520_10.0211.C41
Gene No.	20384	Strand	-
Start	10151	End	12786
Name	OJ990520_10.0211.C41.o3.tm	Method	TBLASTX:Maize
Start	8526	End	8817
GI	none	Score	165
Exons	8526..8813, 8526..8813, 8527..8817		
Seq. No.	9525	Seq. ID	OJ990520_10.0211.C41
Gene No.	20384	Strand	-
Start	10151	End	12786
Name	OJ990520_10.0211.C41.o1.tw	Method	TBLASTX:Wheat
Start	8686	End	9319
GI	none	Score	385
Exons	8686..9030, 8689..9015, 8742..9032, 9032..9319, 9037..9198, 9259..9318		
Seq. No.	9525	Seq. ID	OJ990520_10.0211.C41
Gene No.	20384	Strand	-
Start	10151	End	12786
Name	OJ990520_10.0211.C41.o1.tm	Method	TBLASTX:Maize
Start	8865	End	9457
GI	none	Score	221
Exons	8865..9020, 8866..9048, 9029..9457, 9058..9195, 9191..9436, 9259..9456		
Seq. No.	9525	Seq. ID	OJ990520_10.0211.C41
Gene No.	20384	Strand	-
Start	10151	End	12786
Name	OJ990520_10.0211.C41.o6.tw	Method	TBLASTX:Wheat
Start	9319	End	9652
GI	none	Score	314
Exons	9319..9600, 9320..9652, 9470..9601		
Seq. No.	9525	Seq. ID	OJ990520_10.0211.C41
Gene No.	20384	Strand	-
Start	10151	End	12786
Name	OJ990520_10.0211.C41.o2.gs	Method	GENSCAN
Start	10151	End	12786
GI	none	Score	.81
Exons	10151..10253, 10409..10554, 10622..10677, 10682..10848, 12683..12786		
Seq. No.	9526	Seq. ID	OJ990520_10.0211.C42
Gene No.	20385	Strand	+
Start	64	End	162
Name	OJ990520_10.0211.C42.o1.gs	Method	GENSCAN
Start	64	End	162
GI	none	Score	.86
Exons	64..162		
Seq. No.	9527	Seq. ID	OJ990920_14.0210.C2
Gene No.	20386	Strand	+
Start	754	End	5130

Name	OJ990920_14.0210.C2.o1.gs	Method	GENSCAN
Start	754	End	5130
GI	none	Score	.87
Exons	754..756, 1403..1529, 2504..2643, 2738..2998, 3063..3192, 4693..4776, 5087..5130		

Seq. No.	9527	Seq. ID	OJ990920_14.0210.C2
Gene No.	20387	Strand	+
Start	6774	End	8149
Name	OJ990920_14.0210.C2.o2.gs	Method	GENSCAN
Start	6774	End	8149
GI	none	Score	.89
Exons	6774..7932, 8145..8149		

Seq. No.	9527	Seq. ID	OJ990920_14.0210.C2
Gene No.	20387	Strand	+
Start	6774	End	8149
Name	OJ990920_14.0210.C2.o3.gp	Method	AAT/GAP
Start	6780	End	7260
GI	none	Score	919
Exons	6780..7260		

Seq. No.	9527	Seq. ID	OJ990920_14.0210.C2
Gene No.	20388	Strand	-
Start	1648	End	1714
Name	OJ990920_14.0210.C2.o1.gp	Method	AAT/GAP
Start	1648	End	1714
GI	2311279	Score	73
Exons	1648..1714		

Seq. No.	9527	Seq. ID	OJ990920_14.0210.C2
Gene No.	20389	Strand	-
Start	1715	End	2138
Name	OJ990920_14.0210.C2.o2.gp	Method	AAT/GAP
Start	1715	End	2138
GI	LIB3477-003-P1-K1-E9	Score	116
Exons	1715..1795, 2115..2138		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	9527	Seq. ID	OJ990920_14.0210.C2
Gene No.	20390	Strand	-
Start	8773	End	11579
Name	OJ990920_14.0210.C2.o3.gs	Method	GENSCAN
Start	8773	End	11579
GI	none	Score	.54
Exons	8773..8849, 9456..9487, 9973..10126, 10630..10697, 11235..11283, 11390..11579		

Seq. No.	9528	Seq. ID	OJ990920_14.0210.C4
Gene No.	20391	Strand	+
Start	804	End	3024
Name	OJ990920_14.0210.C4.o1.gs	Method	GENSCAN
Start	804	End	3024
GI	none	Score	.42
Exons	804..848, 2885..3024		

Seq. No.	9529	Seq. ID	OJ990920_14.0210.C6
Gene No.	20392	Strand	+
Start	239	End	4845
Name	OJ990920_14.0210.C6.o1.gs	Method	GENSCAN
Start	239	End	4573
GI	none	Score	.56
Exons	239..284, 563..606, 1128..1172, 1474..1650, 2665..3366, 3538..3672, 4455..4573		

Seq. No.	9529	Seq. ID	OJ990920_14.0210.C6
Gene No.	20392	Strand	+
Start	239	End	4845
Name	OJ990920_14.0210.C6.o1.gp	Method	AAT/GAP
Start	2571	End	3042
GI	none	Score	889
Exons	2571..3042		

Seq. No.	9529	Seq. ID	OJ990920_14.0210.C6
Gene No.	20392	Strand	+
Start	239	End	4845
Name	OJ990920_14.0210.C6.o2.gp	Method	AAT/GAP
Start	3547	End	4845
GI	none	Score	998
Exons	3547..3672, 4455..4845		

Seq. No.	9530	Seq. ID	OJ990920_14.0210.C7
Gene No.	20393	Strand	-
Start	143	End	525
Name	OJ990920_14.0210.C7.o1.gs	Method	GENSCAN
Start	143	End	471
GI	none	Score	.66
Exons	143..471		

Seq. No.	9530	Seq. ID	OJ990920_14.0210.C7
Gene No.	20393	Strand	-
Start	143	End	525
Name	OJ990920_14.0210.C7.o1.np	Method	AAT/NAP
Start	146	End	525
GI	6539586	Score	625
Exons	146..525		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	9531	Seq. ID	OJ990920_14.0210.C8
Gene No.	20394	Strand	-
Start	1	End	649
Name	OJ990920_14.0210.C8.o1.np	Method	AAT/NAP
Start	1	End	649
GI	6907089	Score	1101
Exons	1..649		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	9531	Seq. ID	OJ990920_14.0210.C8
Gene No.	20394	Strand	-
Start	1	End	649
Name	OJ990920_14.0210.C8.o1.gs	Method	GENSCAN
Start	76	End	572

GI	none	Score	.68
Exons	76..456, 501..572		

Seq. No.	9532	Seq. ID	OJ990920_14.0210.C9
Gene No.	20395	Strand	-
Start	1438	End	1981
Name	OJ990920_14.0210.C9.o1.gs	Method	GENSCAN
Start	1438	End	1981
GI	none	Score	.64
Exons	1438..1575, 1637..1981		

Seq. No.	9533	Seq. ID	OJ990920_14.0210.C10
Gene No.	20396	Strand	+
Start	200	End	336
Name	OJ990920_14.0210.C10.o1.gs	Method	GENSCAN
Start	200	End	336
GI	none	Score	.51
Exons	200..336		

Seq. No.	9534	Seq. ID	OJ990920_14.0210.C11
Gene No.	20397	Strand	+
Start	786	End	897
Name	OJ990920_14.0210.C11.o1.gs	Method	GENSCAN
Start	786	End	897
GI	none	Score	.98
Exons	786..897		

Seq. No.	9535	Seq. ID	OJ990920_14.0210.C12
Gene No.	20398	Strand	+
Start	654	End	1786
Name	OJ990920_14.0210.C12.o1.gs	Method	GENSCAN
Start	654	End	1786
GI	none	Score	.61
Exons	654..1479, 1614..1786		

Seq. No.	9536	Seq. ID	OJ990920_14.0210.C17
Gene No.	20399	Strand	+
Start	944	End	2536
Name	OJ990920_14.0210.C17.o1.gs	Method	GENSCAN
Start	944	End	2536
GI	none	Score	1
Exons	944..2536		

Seq. No.	9536	Seq. ID	OJ990920_14.0210.C17
Gene No.	20399	Strand	+
Start	944	End	2536
Name	OJ990920_14.0210.C17.o1.np	Method	AAT/NAP
Start	944	End	2530
GI	5042430	Score	1061
Exons	944..2530		
GI Descrip.	(AC006193) Putative cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	9536	Seq. ID	OJ990920_14.0210.C17
Gene No.	20399	Strand	+
Start	944	End	2536
Name	OJ990920_14.0210.C17.o1.ts	Method	TBLASTX:Soybean
Start	1043	End	2521

GI	none	Score	151
Exons	1043..1270, 1268..1462, 1457..1597, 1616..1762, 1859..2023, 1909..2010, 2024..2284, 2041..2271, 2285..2431, 2323..2520, 2465..2521		

Seq. No.	9536	Seq. ID	OJ990920_14.0210.C17
Gene No.	20399	Strand	+
Start	944	End	2536
Name	OJ990920_14.0210.C17.o2.tm	Method	TBLASTX:Maize
Start	1046	End	1315
GI	none	Score	249
Exons	1046..1315, 1078..1314		

Seq. No.	9536	Seq. ID	OJ990920_14.0210.C17
Gene No.	20399	Strand	+
Start	944	End	2536
Name	OJ990920_14.0210.C17.o2.tw	Method	TBLASTX:Wheat
Start	1049	End	1800
GI	none	Score	83
Exons	1049..1183, 1190..1294, 1199..1255, 1313..1447, 1327..1371, 1714..1800		

Seq. No.	9536	Seq. ID	OJ990920_14.0210.C17
Gene No.	20399	Strand	+
Start	944	End	2536
Name	OJ990920_14.0210.C17.o1.tc	Method	TBLASTX:Cress
Start	1055	End	2521
GI	none	Score	125
Exons	1055..1249, 1298..1465, 1481..1609, 1589..1735, 1817..1849, 1868..2053, 1886..1993, 1909..2058, 2018..2272, 2047..2271, 2279..2455, 2317..2424, 2462..2521		

Seq. No.	9536	Seq. ID	OJ990920_14.0210.C17
Gene No.	20399	Strand	+
Start	944	End	2536
Name	OJ990920_14.0210.C17.o1.tm	Method	TBLASTX:Maize
Start	1316	End	2523
GI	none	Score	120
Exons	1316..1459, 1330..1374, 1433..1600, 1465..1536, 1601..1711, 1630..1698, 1814..1897, 1853..2011, 1868..1999, 1912..2016, 1912..2013, 2044..2523, 2045..2521		

Seq. No.	9536	Seq. ID	OJ990920_14.0210.C17
Gene No.	20399	Strand	+
Start	944	End	2536
Name	OJ990920_14.0210.C17.o1.tw	Method	TBLASTX:Wheat
Start	2164	End	2518
GI	none	Score	357
Exons	2164..2424, 2165..2452, 2462..2518, 2462..2512		

Seq. No.	9537	Seq. ID	OJ990920_14.0210.C18
Gene No.	20400	Strand	-
Start	24	End	321
Name	OJ990920_14.0210.C18.o1.gs	Method	GENSCAN
Start	24	End	321
GI	none	Score	.71
Exons	24..150, 155..321		

Seq. No.	9538	Seq. ID	OJ990920_14.0210.C19
Gene No.	20401	Strand	-
Start	15	End	169
Name	OJ990920_14.0210.C19.o1.gs	Method	GENSCAN
Start	15	End	169
GI	none	Score	.59
Exons	15..169		

Seq. No.	9539	Seq. ID	OJ990920_14.0210.C20
Gene No.	20402	Strand	+
Start	174	End	442
Name	OJ990920_14.0210.C20.o1.gs	Method	GENSCAN
Start	174	End	442
GI	none	Score	.81
Exons	174..251, 329..442		

Seq. No.	9540	Seq. ID	OJ990920_14.0210.C21
Gene No.	20403	Strand	-
Start	2250	End	2862
Name	OJ990920_14.0210.C21.o1.gs	Method	GENSCAN
Start	2250	End	2862
GI	none	Score	.64
Exons	2250..2609, 2764..2862		

Seq. No.	9541	Seq. ID	OJ990920_14.0210.C23
Gene No.	20404	Strand	+
Start	505	End	719
Name	OJ990920_14.0210.C23.o1.gs	Method	GENSCAN
Start	505	End	719
GI	none	Score	.54
Exons	505..556, 622..719		

Seq. No.	9541	Seq. ID	OJ990920_14.0210.C23
Gene No.	20405	Strand	-
Start	1049	End	2259
Name	OJ990920_14.0210.C23.o2.gs	Method	GENSCAN
Start	1049	End	2259
GI	none	Score	.84
Exons	1049..1255, 2081..2259		

Seq. No.	9542	Seq. ID	OJ990920_14.0210.C25
Gene No.	20406	Strand	-
Start	568	End	3081
Name	OJ990920_14.0210.C25.o1.gs	Method	GENSCAN
Start	568	End	3081
GI	none	Score	.96
Exons	568..644, 949..1104, 1930..2536, 2593..3081		

Seq. No.	9542	Seq. ID	OJ990920_14.0210.C25
Gene No.	20406	Strand	-
Start	568	End	3081
Name	OJ990920_14.0210.C25.o1.tw	Method	TBLASTX:Wheat
Start	2659	End	3040
GI	none	Score	40
Exons	2659..2739, 2660..2683, 2770..2832, 2783..2818, 2842..2889, 2849..2953, 2858..3031, 2866..2931, 2903..3040, 2938..3039		

Seq. No.	9542	Seq. ID	OJ990920_14.0210.C25
Gene No.	20406	Strand	-
Start	568	End	3081
Name	OJ990920_14.0210.C25.o1.tm	Method	TBLASTX:Maize
Start	2875	End	3025
GI	none	Score	139
Exons	2875..3024, 2876..3025		

Seq. No.	9543	Seq. ID	OJ990920_14.0210.C26
Gene No.	20407	Strand	+
Start	4383	End	5720
Name	OJ990920_14.0210.C26.o1.np	Method	AAT/NAP
Start	4383	End	5720
GI	2589164	Score	167
Exons	4383..4528, 5666..5720		
GI Descrip.	(D88452) aldehyde oxidase-2 [Zea mays]		

Seq. No.	9544	Seq. ID	OJ990920_14.0210.C27
Gene No.	20408	Strand	+
Start	1	End	7615
Name	OJ990920_14.0210.C27.o1.np	Method	AAT/NAP
Start	1	End	7227
GI	2589164	Score	4764
Exons	1..29, 1150..2628, 2662..2824, 3024..3286, 3415..3624, 3824..4042, 4426..5388, 5668..5763, 5871..5969, 6342..6531, 6983..7227		
GI Descrip.	(D88452) aldehyde oxidase-2 [Zea mays]		

Seq. No.	9544	Seq. ID	OJ990920_14.0210.C27
Gene No.	20408	Strand	+
Start	1	End	7615
Name	OJ990920_14.0210.C27.o1.gs	Method	GENSCAN
Start	1154	End	7615
GI	none	Score	.94
Exons	1154..2824, 3024..3286, 3415..3624, 3824..4042, 4426..5388, 5668..5763, 5871..5969, 6342..6531, 6983..7178, 7436..7487, 7553..7615		

Seq. No.	9544	Seq. ID	OJ990920_14.0210.C27
Gene No.	20408	Strand	+
Start	1	End	7615
Name	OJ990920_14.0210.C27.o1.gp	Method	AAT/GAP
Start	3949	End	4658
GI	2431129	Score	575
Exons	3949..4042, 4426..4658		
GI Descrip.	2589162/dbj|BAA23226| 5.0e-41 (D88451) aldehyde oxidase [Zea mays]		

Seq. No.	9544	Seq. ID	OJ990920_14.0210.C27
Gene No.	20409	Strand	+
Start	9477	End	12442
Name	OJ990920_14.0210.C27.o2.gs	Method	GENSCAN
Start	9477	End	12442
GI	none	Score	.66
Exons	9477..9624, 10792..10870, 12340..12442		

Seq. No.	9544	Seq. ID	OJ990920_14.0210.C27
Gene No.	20410	Strand	+
Start	14057	End	16949
Name	OJ990920_14.0210.C27.o3.gs	Method	GENSCAN
Start	14057	End	16949
GI	none	Score	.96
Exons	14057..15329, 16692..16808, 16909..16949		

Seq. No.	9544	Seq. ID	OJ990920_14.0210.C27
Gene No.	20411	Strand	+
Start	21168	End	26392
Name	OJ990920_14.0210.C27.o1.tc	Method	TBLASTX:Cress
Start	1134	End	7188
GI	none	Score	329
Exons	1134..1394, 1153..1395, 1459..1617, 1461..1628, 1621..1701, 1665..1700, 1867..1983, 1869..1973, 1966..2271, 1992..2159, 2286..2357, 2287..2358, 2392..2616, 2412..2564, 2734..2826, 3019..3204, 3020..3247, 3026..3205, 3415..3630, 3415..3627, 3783..3929, 3821..4066, 3829..4065, 4405..4881, 4425..4865, 4881..5348, 4885..5355, 5665..5766, 5862..5981, 5870..5965, 6339..6530, 6344..6526, 6982..7026, 7105..7188, 7122..7187		

Seq. No.	9544	Seq. ID	OJ990920_14.0210.C27
Gene No.	20411	Strand	+
Start	21168	End	26392
Name	OJ990920_14.0210.C27.o5.tm	Method	TBLASTX:Maize
Start	1150	End	1383
GI	none	Score	331
Exons	1150..1383, 1152..1376		

Seq. No.	9544	Seq. ID	OJ990920_14.0210.C27
Gene No.	20411	Strand	+
Start	21168	End	26392
Name	OJ990920_14.0210.C27.o4.tm	Method	TBLASTX:Maize
Start	1760	End	2072
GI	none	Score	279
Exons	1760..1927, 1761..1979, 1762..1980, 2001..2072, 2002..2070, 2004..2072		

Seq. No.	9544	Seq. ID	OJ990920_14.0210.C27
Gene No.	20411	Strand	+
Start	21168	End	26392
Name	OJ990920_14.0210.C27.o3.tm	Method	TBLASTX:Maize
Start	2073	End	2553
GI	none	Score	129
Exons	2073..2162, 2074..2178, 2078..2194, 2176..2265, 2178..2258, 2179..2265, 2265..2552, 2275..2553		

Seq. No.	9544	Seq. ID	OJ990920_14.0210.C27
Gene No.	20411	Strand	+
Start	21168	End	26392
Name	OJ990920_14.0210.C27.o1.tm	Method	TBLASTX:Maize
Start	2555	End	4958
GI	none	Score	60
Exons	2555..2620, 2556..2618, 2557..2652, 2557..2622, 2704..2820, 2709..2825, 2714..2821, 2716..2826, 3008..3286, 3019..3297, 3020..3301, 3402..3626, 3409..3630, 3414..3626, 3789..4043,		

3821..4045, 3821..4042, 3822..4043, 3823..4044, 4410..4880,
4422..4796, 4426..4914, 4900..4956, 4905..4955, 4911..4958

Seq. No.	9544	Seq. ID	OJ990920_14.0210.C27
Gene No.	20411	Strand	+
Start	21168	End	26392
Name	OJ990920_14.0210.C27.o1.tw	Method	TBLASTX:Wheat
Start	3226	End	3862
GI	none	Score	99
Exons	3226..3297, 3227..3301, 3404..3610, 3409..3630, 3409..3612, 3414..3626, 3783..3860, 3821..3862		

Seq. No.	9544	Seq. ID	OJ990920_14.0210.C27
Gene No.	20411	Strand	+
Start	21168	End	26392
Name	OJ990920_14.0210.C27.o2.ts	Method	TBLASTX:Soybean
Start	3415	End	4025
GI	none	Score	241
Exons	3415..3630, 3415..3612, 3417..3623, 3780..3929, 3821..4024, 3826..4023, 3951..4025		

Seq. No.	9544	Seq. ID	OJ990920_14.0210.C27
Gene No.	20411	Strand	+
Start	21168	End	26392
Name	OJ990920_14.0210.C27.o3.ts	Method	TBLASTX:Soybean
Start	4585	End	4782
GI	none	Score	217
Exons	4585..4782, 4596..4778		

Seq. No.	9544	Seq. ID	OJ990920_14.0210.C27
Gene No.	20411	Strand	+
Start	21168	End	26392
Name	OJ990920_14.0210.C27.o2.tm	Method	TBLASTX:Maize
Start	4960	End	7203
GI	none	Score	585
Exons	4960..5349, 4962..5351, 5238..5351, 5341..5388, 5352..5384, 5637..5780, 5664..5765, 5665..5766, 5847..5969, 5862..5972, 5869..5985, 5870..5971, 6339..6530, 6339..6437, 6341..6526, 6982..7026, 7018..7065, 7084..7197, 7110..7196, 7144..7203		

Seq. No.	9544	Seq. ID	OJ990920_14.0210.C27
Gene No.	20411	Strand	+
Start	21168	End	26392
Name	OJ990920_14.0210.C27.o1.ts	Method	TBLASTX:Soybean
Start	5076	End	6419
GI	none	Score	344
Exons	5076..5165, 5083..5352, 5208..5354, 5665..5766, 5862..5981, 5870..5965, 6339..6377, 6360..6419		

Seq. No.	9544	Seq. ID	OJ990920_14.0210.C27
Gene No.	20411	Strand	+
Start	21168	End	26392
Name	OJ990920_14.0210.C27.o2.tw	Method	TBLASTX:Wheat
Start	5086	End	5780
GI	none	Score	148
Exons	5086..5187, 5088..5159, 5194..5349, 5208..5348, 5665..5766, 5667..5780		

Seq. No.	9544	Seq. ID	OJ990920_14.0210.C27
Gene No.	20411	Strand	+
Start	21168	End	26392
Name	OJ990920_14.0210.C27.o2.np	Method	AAT/NAP
Start	20917	End	22897
GI	6907086	Score	1395
Exons	20917..21678, 21739..21980, 22214..22280, 22385..22465, 22638..22897		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	9544	Seq. ID	OJ990920_14.0210.C27
Gene No.	20411	Strand	+
Start	21168	End	26392
Name	OJ990920_14.0210.C27.o4.gs	Method	GENSCAN
Start	21168	End	26392
GI	none	Score	.52
Exons	21168..21633, 24281..24481, 24918..24954, 25564..26392		

Seq. No.	9545	Seq. ID	OJ990920_14.0210.C29
Gene No.	20412	Strand	+
Start	1623	End	2806
Name	OJ990920_14.0210.C29.o1.gs	Method	GENSCAN
Start	1623	End	2806
GI	none	Score	.65
Exons	1623..1772, 1778..2806		

Seq. No.	9546	Seq. ID	OJ990920_14.0210.C31
Gene No.	20413	Strand	-
Start	1	End	5149
Name	OJ990920_14.0210.C31.o1.np	Method	AAT/NAP
Start	1	End	5149
GI	5777623	Score	659
Exons	1..33, 1395..1570, 2377..3051, 3219..3267, 3510..3663, 5130..5149		
GI Descrip.	(AJ245900) CAA303711.1 protein [Oryza sativa]		

Seq. No.	9546	Seq. ID	OJ990920_14.0210.C31
Gene No.	20413	Strand	-
Start	1	End	5149
Name	OJ990920_14.0210.C31.o1.gs	Method	GENSCAN
Start	1795	End	4991
GI	none	Score	.67
Exons	1795..2060, 2304..2414, 2432..2883, 2885..2954, 4614..4991		

Seq. No.	9547	Seq. ID	OJ990920_14.0210.C33
Gene No.	20414	Strand	-
Start	606	End	682
Name	OJ990920_14.0210.C33.o1.gp	Method	AAT/GAP
Start	606	End	682
GI	90742_1.R1084	Score	103
Exons	606..682		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 4.0e-29 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	9548	Seq. ID	OJ990920_14.0210.C37
Gene No.	20415	Strand	-

Start	1885	End	2058
Name	OJ990920_14.0210.C37.o1.np	Method	AAT/NAP
Start	1885	End	2058
GI	6063554	Score	129
Exons	1885..2058		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	9549	Seq. ID	OJ990920_14.0210.C38
Gene No.	20416	Strand	+
Start	78	End	432
Name	OJ990920_14.0210.C38.o1.gs	Method	GENSCAN
Start	78	End	432
GI	none	Score	.56
Exons	78..238, 365..432		

Seq. No.	9550	Seq. ID	OJ990920_14.0210.C41
Gene No.	20417	Strand	+
Start	355	End	409
Name	OJ990920_14.0210.C41.o1.gs	Method	GENSCAN
Start	355	End	409
GI	none	Score	.8
Exons	355..409		

Seq. No.	9551	Seq. ID	OJ990920_14.0210.C46
Gene No.	20418	Strand	-
Start	512	End	563
Name	OJ990920_14.0210.C46.o1.gs	Method	GENSCAN
Start	512	End	563
GI	none	Score	.64
Exons	512..563		

Seq. No.	9552	Seq. ID	OJ990920_14.0210.C47
Gene No.	20419	Strand	-
Start	88	End	897
Name	OJ990920_14.0210.C47.o1.tc	Method	TBLASTX:Cress
Start	86	End	839
GI	none	Score	128
Exons	86..187, 206..247, 365..490, 366..491, 390..509, 728..838, 729..839		

Seq. No.	9552	Seq. ID	OJ990920_14.0210.C47
Gene No.	20419	Strand	-
Start	88	End	897
Name	OJ990920_14.0210.C47.o1.gs	Method	GENSCAN
Start	88	End	826
GI	none	Score	.92
Exons	88..228, 367..826		

Seq. No.	9552	Seq. ID	OJ990920_14.0210.C47
Gene No.	20419	Strand	-
Start	88	End	897
Name	OJ990920_14.0210.C47.o1.np	Method	AAT/NAP
Start	88	End	897
GI	3482915	Score	320
Exons	88..257, 378..489, 721..897		

GI Descrip.	(AC003970) Similar to 12-oxophytodienoate reductase, gi|2765083 and old-yellow-enzyme homolog, gi|2232254 [Arabidopsis thaliana]		
Seq. No.	9553	Seq. ID	OJ990920_14.0210.C48
Gene No.	20420	Strand	+
Start	1	End	333
Name	OJ990920_14.0210.C48.o1.gp	Method	AAT/GAP
Start	1	End	333
GI	7406_1.R1084	Score	562
Exons	1..333		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		
Seq. No.	9554	Seq. ID	OJ990920_14.0210.C49
Gene No.	20421	Strand	-
Start	1	End	189
Name	OJ990920_14.0210.C49.o1.np	Method	AAT/NAP
Start	1	End	189
GI	5902445	Score	185
Exons	1..189		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		
Seq. No.	9554	Seq. ID	OJ990920_14.0210.C49
Gene No.	20421	Strand	-
Start	1	End	189
Name	OJ990920_14.0210.C49.o1.tm	Method	TBLASTX:Maize
Start	1	End	189
GI	none	Score	140
Exons	1..189, 29..187		
Seq. No.	9554	Seq. ID	OJ990920_14.0210.C49
Gene No.	20421	Strand	-
Start	1	End	189
Name	OJ990920_14.0210.C49.o1.tw	Method	TBLASTX:Wheat
Start	1	End	189
GI	none	Score	79
Exons	1..147, 1..189, 2..187		
Seq. No.	9555	Seq. ID	OJ990920_14.0210.C50
Gene No.	20422	Strand	-
Start	99	End	259
Name	OJ990920_14.0210.C50.o1.gs	Method	GENSCAN
Start	99	End	259
GI	none	Score	.72
Exons	99..259		
Seq. No.	9556	Seq. ID	OJ990920_14.0210.C54
Gene No.	20423	Strand	-
Start	293	End	667
Name	OJ990920_14.0210.C54.o1.gs	Method	GENSCAN
Start	293	End	667
GI	none	Score	.61
Exons	293..346, 605..667		
Seq. No.	9557	Seq. ID	OJ990920_14.0210.C55
Gene No.	20424	Strand	+
Start	1	End	156

Name	OJ990920_14.0210.C55.o1.np	Method	AAT/NAP
Start	1	End	156
GI	4680186	Score	270
Exons	1..156		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	9557	Seq. ID	OJ990920_14.0210.C55
Gene No.	20425	Strand	-
Start	1	End	89
Name	OJ990920_14.0210.C55.o1.gp	Method	AAT/GAP
Start	1	End	89
GI	uC-osflcyp033a04b1	Score	166
Exons	1..89		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	9558	Seq. ID	OJ990920_14.0210.C58
Gene No.	20426	Strand	-
Start	121	End	537
Name	OJ990920_14.0210.C58.o1.gs	Method	GENSCAN
Start	121	End	537
GI	none	Score	.97
Exons	121..537		

Seq. No.	9559	Seq. ID	OJ990920_14.0210.C60
Gene No.	20427	Strand	-
Start	218	End	511
Name	OJ990920_14.0210.C60.o1.gs	Method	GENSCAN
Start	218	End	511
GI	none	Score	.49
Exons	218..343, 482..511		

Seq. No.	9560	Seq. ID	OJ990920_14.0210.C61
Gene No.	20428	Strand	-
Start	577	End	651
Name	OJ990920_14.0210.C61.o1.gs	Method	GENSCAN
Start	577	End	651
GI	none	Score	.73
Exons	577..651		

Seq. No.	9561	Seq. ID	OJ990920_14.0210.C66
Gene No.	20429	Strand	+
Start	306	End	420
Name	OJ990920_14.0210.C66.o1.gs	Method	GENSCAN
Start	306	End	420
GI	none	Score	.59
Exons	306..420		

Seq. No.	9562	Seq. ID	OJ990920_14.0210.C67
Gene No.	20430	Strand	+
Start	1	End	384
Name	OJ990920_14.0210.C67.o1.np	Method	AAT/NAP
Start	1	End	384
GI	5257279	Score	421
Exons	1..384		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	9562	Seq. ID	OJ990920_14.0210.C67
Gene No.	20430	Strand	+
Start	1	End	384
Name	OJ990920_14.0210.C67.o1.tw	Method	TBLASTX:Wheat
Start	34	End	294
GI	none	Score	37
Exons	34..72, 74..115, 125..145, 147..281, 148..294, 154..294		

Seq. No.	9563	Seq. ID	OJ990920_14.0210.C68
Gene No.	20431	Strand	-
Start	170	End	291
Name	OJ990920_14.0210.C68.o1.gs	Method	GENSCAN
Start	170	End	291
GI	none	Score	.9
Exons	170..291		

Seq. No.	9564	Seq. ID	OJ990920_14.0210.C74
Gene No.	20432	Strand	+
Start	1	End	873
Name	OJ990920_14.0210.C74.o1.np	Method	AAT/NAP
Start	1	End	873
GI	5295955	Score	166
Exons	1..130, 299..399, 755..873		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	9564	Seq. ID	OJ990920_14.0210.C74
Gene No.	20432	Strand	+
Start	1	End	873
Name	OJ990920_14.0210.C74.o1.gs	Method	GENSCAN
Start	67	End	193
GI	none	Score	.68
Exons	67..193		

Seq. No.	9565	Seq. ID	OJ990920_14.0210.C76
Gene No.	20433	Strand	+
Start	1	End	607
Name	OJ990920_14.0210.C76.o1.np	Method	AAT/NAP
Start	1	End	607
GI	4680179	Score	399
Exons	1..388, 416..607		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	9565	Seq. ID	OJ990920_14.0210.C76
Gene No.	20433	Strand	+
Start	1	End	607
Name	OJ990920_14.0210.C76.o1.gs	Method	GENSCAN
Start	193	End	601
GI	none	Score	.53
Exons	193..601		

Seq. No.	9565	Seq. ID	OJ990920_14.0210.C76
Gene No.	20433	Strand	+
Start	1	End	607
Name	OJ990920_14.0210.C76.o1.tw	Method	TBLASTX:Wheat
Start	305	End	556

GI	none	Score	80
Exons	305..427, 319..360, 413..556,	472..555	

Seq. No.	9566	Seq. ID	OJ990920_14.0210.C77
Gene No.	20434	Strand	+
Start	1	End	420
Name	OJ990920_14.0210.C77.o1.np	Method	AAT/NAP
Start	1	End	420
GI	4680179	Score	380
Exons	1..270, 401..420		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	9566	Seq. ID	OJ990920_14.0210.C77
Gene No.	20434	Strand	+
Start	1	End	420
Name	OJ990920_14.0210.C77.o1.tw	Method	TBLASTX:Wheat
Start	1	End	254
GI	none	Score	147
Exons	1..108, 2..109, 120..254, 122..250		

Seq. No.	9566	Seq. ID	OJ990920_14.0210.C77
Gene No.	20434	Strand	+
Start	1	End	420
Name	OJ990920_14.0210.C77.o1.tm	Method	TBLASTX:Maize
Start	17	End	259
GI	none	Score	67
Exons	17..88, 19..93, 105..257, 113..259, 122..259		

Seq. No.	9566	Seq. ID	OJ990920_14.0210.C77
Gene No.	20434	Strand	+
Start	1	End	420
Name	OJ990920_14.0210.C77.o1.ts	Method	TBLASTX:Soybean
Start	115	End	271
GI	none	Score	74
Exons	115..252, 116..271, 120..269		

Seq. No.	9567	Seq. ID	OJ990920_14.0210.C78
Gene No.	20435	Strand	
Start	331	End	595
Name	OJ990920_14.0210.C78.o1.tm	Method	TBLASTX:Maize
Start	331	End	595
GI	none	Score	130
Exons	331..438, 339..434, 445..594,	461..592, 461..595	

Seq. No.	9568	Seq. ID	OJ990920_14.0210.C81
Gene No.	20436	Strand	-
Start	8	End	286
Name	OJ990920_14.0210.C81.o1.gs	Method	GENSCAN
Start	8	End	286
GI	none	Score	.85
Exons	8..286		

Seq. No.	9569	Seq. ID	OJ990810_15.0216.C1
Gene No.	20437	Strand	-
Start	1	End	306
Name	OJ990810_15.0216.C1.o1.np	Method	AAT/NAP
Start	1	End	306

GI	6634775	Score	116
Exons	1..164, 250..306		
GI Descrip.	(AC009917) Contains similarity to gi|34845 luciferase YE protein from Pyrophorus plagiophthalamus, and contains an AMP-binding PF|00501 domain. [Arabidopsis thaliana]		

Seq. No.	9570	Seq. ID	OJ990810_15.0216.C5
Gene No.	20438	Strand	-
Start	701	End	1073
Name	OJ990810_15.0216.C5.o1.np	Method	AAT/NAP
Start	701	End	1073
GI	5852180	Score	350
Exons	701..1073		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	9571	Seq. ID	OJ990810_15.0216.C7
Gene No.	20439	Strand	+
Start	83	End	903
Name	OJ990810_15.0216.C7.o1.gs	Method	GENSCAN
Start	83	End	903
GI	none	Score	.88
Exons	83..112, 330..437, 469..611, 711..903		

Seq. No.	9571	Seq. ID	OJ990810_15.0216.C7
Gene No.	20440	Strand	-
Start	1	End	1085
Name	OJ990810_15.0216.C7.o1.np	Method	AAT/NAP
Start	1	End	1085
GI	6539586	Score	807
Exons	1..79, 308..1085		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	9572	Seq. ID	OJ990810_15.0216.C8
Gene No.	20441	Strand	-
Start	1	End	1179
Name	OJ990810_15.0216.C8.o1.np	Method	AAT/NAP
Start	1	End	1179
GI	6907089	Score	1906
Exons	1..1179		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	9573	Seq. ID	OJ990810_15.0216.C9
Gene No.	20442	Strand	+
Start	1	End	706
Name	OJ990810_15.0216.C9.o1.np	Method	AAT/NAP
Start	1	End	589
GI	5042454	Score	178
Exons	1..159, 529..589		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	9573	Seq. ID	OJ990810_15.0216.C9
Gene No.	20442	Strand	+
Start	1	End	706
Name	OJ990810_15.0216.C9.o1.gs	Method	GENSCAN
Start	78	End	706
GI	none	Score	.55
Exons	78..84, 119..165, 521..706		

Seq. No.	9574	Seq. ID	OJ990810_15.0216.C10
Gene No.	20443	Strand	-
Start	1	End	583
Name	OJ990810_15.0216.C10.o1.np	Method	AAT/NAP
Start	1	End	583
GI	6907089	Score	749
Exons	1..583		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	9574	Seq. ID	OJ990810_15.0216.C10
Gene No.	20443	Strand	-
Start	1	End	583
Name	OJ990810_15.0216.C10.o1.gs	Method	GENSCAN
Start	121	End	379
GI	none	Score	.83
Exons	121..379		

Seq. No.	9575	Seq. ID	OJ990810_15.0216.C11
Gene No.	20444	Strand	-
Start	1	End	674
Name	OJ990810_15.0216.C11.o1.np	Method	AAT/NAP
Start	1	End	674
GI	6498441	Score	577
Exons	1..130, 439..674		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	9575	Seq. ID	OJ990810_15.0216.C11
Gene No.	20444	Strand	-
Start	1	End	674
Name	OJ990810_15.0216.C11.o1.gs	Method	GENSCAN
Start	50	End	323
GI	none	Score	.72
Exons	50..323		

Seq. No.	9575	Seq. ID	OJ990810_15.0216.C11
Gene No.	20444	Strand	-
Start	1	End	674
Name	OJ990810_15.0216.C11.o1.tw	Method	TBLASTX:Wheat
Start	81	End	372
GI	none	Score	112
Exons	81..371, 112..372		

Seq. No.	9576	Seq. ID	OJ990810_15.0216.C15
Gene No.	20445	Strand	+
Start	101	End	257
Name	OJ990810_15.0216.C15.o1.gs	Method	GENSCAN
Start	101	End	257
GI	none	Score	.73
Exons	101..257		

Seq. No.	9577	Seq. ID	OJ990810_15.0216.C16
Gene No.	20446	Strand	+
Start	251	End	880
Name	OJ990810_15.0216.C16.o1.gs	Method	GENSCAN

Start	251	End	880
GI	none	Score	.52
Exons	251..383, 824..880		

Seq. No.	9578	Seq. ID	OJ990810_15.0216.C17
Gene No.	20447	Strand	+
Start	1	End	187
Name	OJ990810_15.0216.C17.o1.np	Method	AAT/NAP
Start	1	End	187
GI	4680186	Score	310
Exons	1..187		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	9578	Seq. ID	OJ990810_15.0216.C17
Gene No.	20448	Strand	-
Start	1	End	120
Name	OJ990810_15.0216.C17.o1.gp	Method	AAT/GAP
Start	1	End	120
GI	uC-osflcyp033a04b1	Score	224
Exons	1..120		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	9579	Seq. ID	OJ990810_15.0216.C18
Gene No.	20449	Strand	-
Start	1	End	638
Name	OJ990810_15.0216.C18.o1.np	Method	AAT/NAP
Start	1	End	496
GI	548851	Score	236
Exons	1..42, 151..274, 397..496		
GI Descrip.	40S RIBOSOMAL PROTEIN S20 gi|481226|pir||S38356 ribosomal protein S20 - rice gi|391875|dbj|BAA02157| (D12632) 40S subunit ribosomal protein [Oryza sativa]		

Seq. No.	9579	Seq. ID	OJ990810_15.0216.C18
Gene No.	20449	Strand	-
Start	1	End	638
Name	OJ990810_15.0216.C18.o1.ts	Method	TBLASTX:Soybean
Start	89	End	458
GI	none	Score	73
Exons	89..274, 111..275, 157..276, 159..275, 396..434, 398..454, 399..458		

Seq. No.	9579	Seq. ID	OJ990810_15.0216.C18
Gene No.	20449	Strand	-
Start	1	End	638
Name	OJ990810_15.0216.C18.o1.tm	Method	TBLASTX:Maize
Start	111	End	487
GI	none	Score	124
Exons	111..275, 157..276, 159..275, 398..466, 399..461, 437..487		

Seq. No.	9579	Seq. ID	OJ990810_15.0216.C18
Gene No.	20449	Strand	-
Start	1	End	638
Name	OJ990810_15.0216.C18.o1.tw	Method	TBLASTX:Wheat
Start	114	End	499
GI	none	Score	156

Exons	114..275, 152..271, 157..276, 159..275, 396..446, 398..448, 399..458, 452..499		
Seq. No.	9579	Seq. ID	OJ990810_15.0216.C18
Gene No.	20449	Strand	-
Start	1	End	638
Name	OJ990810_15.0216.C18.o1.gp	Method	AAT/GAP
Start	151	End	638
GI	18418_2.R1084	Score	625
Exons	151..274, 397..638		
GI Descrip.	'5541704/emb|CAB51209.1| 2.0e-47 (AL096860) 40S RIBOSOMAL PROTEIN S20 homolog [Arabidopsis thaliana]'		
Seq. No.	9579	Seq. ID	OJ990810_15.0216.C18
Gene No.	20449	Strand	-
Start	1	End	638
Name	OJ990810_15.0216.C18.o1.tc	Method	TBLASTX:Cress
Start	153	End	461
GI	none	Score	93
Exons	153..275, 157..276, 158..283, 159..275, 161..283, 398..454, 399..461		
Seq. No.	9579	Seq. ID	OJ990810_15.0216.C18
Gene No.	20449	Strand	-
Start	1	End	638
Name	OJ990810_15.0216.C18.o1.gs	Method	GENSCAN
Start	161	End	532
GI	none	Score	.94
Exons	161..274, 397..532		
Seq. No.	9580	Seq. ID	OJ990810_15.0216.C19
Gene No.	20450	Strand	+
Start	1	End	631
Name	OJ990810_15.0216.C19.o1.np	Method	AAT/NAP
Start	1	End	631
GI	5852180	Score	70
Exons	1..44, 195..303, 593..631		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		
Seq. No.	9580	Seq. ID	OJ990810_15.0216.C19
Gene No.	20451	Strand	-
Start	313	End	631
Name	OJ990810_15.0216.C19.o2.np	Method	AAT/NAP
Start	313	End	631
GI	6063554	Score	123
Exons	313..486, 586..631		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	9580	Seq. ID	OJ990810_15.0216.C19
Gene No.	20451	Strand	-
Start	313	End	631
Name	OJ990810_15.0216.C19.o1.gp	Method	AAT/GAP
Start	474	End	631
GI	2428185	Score	278
Exons	474..631		

GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		
Seq. No.	9581	Seq. ID	OJ990810_15.0216.C20
Gene No.	20452	Strand	+
Start	1	End	704
Name	OJ990810_15.0216.C20.o1.np	Method	AAT/NAP
Start	1	End	704
GI	6498441	Score	1186
Exons	1..704		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		
Seq. No.	9581	Seq. ID	OJ990810_15.0216.C20
Gene No.	20452	Strand	+
Start	1	End	704
Name	OJ990810_15.0216.C20.o1.tm	Method	TBLASTX:Maize
Start	16	End	378
GI	none	Score	364
Exons	16..339, 45..326, 136..348, 331..378		
Seq. No.	9581	Seq. ID	OJ990810_15.0216.C20
Gene No.	20452	Strand	+
Start	1	End	704
Name	OJ990810_15.0216.C20.o1.gs	Method	GENSCAN
Start	80	End	681
GI	none	Score	.71
Exons	80..681		
Seq. No.	9581	Seq. ID	OJ990810_15.0216.C20
Gene No.	20452	Strand	+
Start	1	End	704
Name	OJ990810_15.0216.C20.o1.tw	Method	TBLASTX:Wheat
Start	153	End	534
GI	none	Score	368
Exons	153..230, 154..534, 251..394, 258..503		
Seq. No.	9582	Seq. ID	OJ990810_15.0216.C21
Gene No.	20453	Strand	+
Start	483	End	571
Name	OJ990810_15.0216.C21.o1.gs	Method	GENSCAN
Start	483	End	571
GI	none	Score	.89
Exons	483..571		
Seq. No.	9583	Seq. ID	OJ990810_15.0216.C22
Gene No.	20454	Strand	+
Start	2067	End	6507
Name	OJ990810_15.0216.C22.o1.gs	Method	GENSCAN
Start	2067	End	6507
GI	none	Score	.46
Exons	2067..2249, 2369..2544, 3305..3477, 4378..4512, 4899..5035, 5064..5172, 5411..5535, 5580..5624, 6160..6507		
Seq. No.	9583	Seq. ID	OJ990810_15.0216.C22
Gene No.	20455	Strand	+

Start	7318	End	8430
Name	OJ990810_15.0216.C22.o2.gs	Method	GENSCAN
Start	7318	End	8430
GI	none	Score	.97
Exons	7318..8430		

Seq. No.	9583	Seq. ID	OJ990810_15.0216.C22
Gene No.	20456	Strand	+
Start	9757	End	10659
Name	OJ990810_15.0216.C22.o3.gs	Method	GENSCAN
Start	9757	End	10659
GI	none	Score	1
Exons	9757..10659		

Seq. No.	9583	Seq. ID	OJ990810_15.0216.C22
Gene No.	20457	Strand	+
Start	12022	End	24969
Name	OJ990810_15.0216.C22.o1.np	Method	AAT/NAP
Start	11995	End	24969
GI	6862923	Score	559
Exons	11995..12600, 17269..17580, 24730..24969		
GI Descrip.	(AC018907) unknown protein [Arabidopsis thaliana]		

Seq. No.	9583	Seq. ID	OJ990810_15.0216.C22
Gene No.	20457	Strand	+
Start	12022	End	24969
Name	OJ990810_15.0216.C22.o4.gs	Method	GENSCAN
Start	12022	End	13056
GI	none	Score	.98
Exons	12022..13056		

Seq. No.	9583	Seq. ID	OJ990810_15.0216.C22
Gene No.	20458	Strand	-
Start	15361	End	15963
Name	OJ990810_15.0216.C22.o1.gp	Method	AAT/GAP
Start	15361	End	15963
GI	none	Score	607
Exons	15361..15433, 15525..15645, 15728..15963		

Seq. No.	9583	Seq. ID	OJ990810_15.0216.C22
Gene No.	20459	Strand	-
Start	22842	End	23503
Name	OJ990810_15.0216.C22.o2.gp	Method	AAT/GAP
Start	22532	End	23172
GI	none	Score	1146
Exons	22532..23172		

Seq. No.	9583	Seq. ID	OJ990810_15.0216.C22
Gene No.	20459	Strand	-
Start	22842	End	23503
Name	OJ990810_15.0216.C22.o7.gs	Method	GENSCAN
Start	22842	End	23435
GI	none	Score	1
Exons	22842..23435		

Seq. No.	9583	Seq. ID	OJ990810_15.0216.C22
Gene No.	20459	Strand	-

Start	22842	End	23503
Name	OJ990810_15.0216.C22.o3.gp	Method	AAT/GAP
Start	23149	End	23503
GI	58275_1.R1084	Score	522
Exons	23149..23368, 23403..23503		
GI Descrip.	'121631/sp|P27484|GRP2_NICSY 8.0e-21 GLYCINE-RICH CELL WALL STRUCTURAL PROTEIN 2 PRECURSOR >gi_72323_pir__KNNT2S glycine-rich protein 2 - wood tobacco >gi_19743_emb_CAA42622_ (X60007) nsGRP-2 [Nicotiana sylvestris]'		

Seq. No.	9583	Seq. ID	OJ990810_15.0216.C22
Gene No.	20460	Strand	-
Start	26772	End	34186
Name	OJ990810_15.0216.C22.o3.tm	Method	TBLASTX:Maize
Start	7336	End	26224
GI	none	Score	125
Exons	7336..7488, 7714..7770, 7837..8010, 7881..8006, 8011..8118, 8140..8205, 9850..9927, 10099..10197, 10282..10350, 10435..10509, 10546..10638, 12097..12216, 12607..12807, 12627..12722, 12798..12977, 12847..13098, 16756..16884, 17280..17357, 17281..17391, 17404..17460, 17409..17456, 17536..17697, 17538..17693, 17710..17790, 19837..19875, 19891..19986, 20293..20529, 20352..20525, 20596..20757, 23898..24044, 23899..24045, 24235..24330, 24235..24282, 24376..24537, 24396..24425, 24426..24536, 24562..24618, 24676..24951, 24703..24888, 26045..26116, 26132..26224		

Seq. No.	9583	Seq. ID	OJ990810_15.0216.C22
Gene No.	20460	Strand	-
Start	26772	End	34186
Name	OJ990810_15.0216.C22.o2.ts	Method	TBLASTX:Soybean
Start	7714	End	24951
GI	none	Score	44
Exons	7714..7770, 7837..8028, 7890..8012, 8011..8118, 8140..8415, 8148..8402, 10105..10203, 10240..10350, 10435..10497, 10546..10638, 12607..12807, 12630..12722, 12798..12977, 12847..12978, 12978..13025, 17272..17403, 17274..17357, 17404..17460, 17536..17697, 17538..17726, 17710..17790, 20293..20529, 20352..20450, 20596..20757, 24235..24330, 24376..24537, 24432..24536, 24544..24618, 24676..24951, 24684..24710, 24804..24950		

Seq. No.	9583	Seq. ID	OJ990810_15.0216.C22
Gene No.	20460	Strand	-
Start	26772	End	34186
Name	OJ990810_15.0216.C22.o3.tw	Method	TBLASTX:Wheat
Start	7840	End	24525
GI	none	Score	119
Exons	7840..7995, 7881..7994, 10093..10197, 10128..10205, 10266..10355, 10267..10350, 12406..12483, 12613..12711, 12630..12710, 17266..17373, 17266..17361, 20200..20295, 20287..20445, 20352..20444, 24283..24333, 24375..24524, 24376..24525		

Seq. No.	9583	Seq. ID	OJ990810_15.0216.C22
Gene No.	20460	Strand	-
Start	26772	End	34186

Name	OJ990810_15.0216.C22.o2.tc	Method	TBLASTX:Cress
Start	8032	End	24933
GI	none	Score	76
Exons	8032..8118, 8137..8397, 10555..10638, 10647..10745, 12733..12807, 12811..13026, 12855..12977, 17416..17463, 17536..17694, 17538..17702, 17716..17778, 20473..20529, 20596..20754, 24559..24618, 24676..24933		

Seq. No.	9583	Seq. ID	OJ990810_15.0216.C22
Gene No.	20460	Strand	-
Start	26772	End	34186
Name	OJ990810_15.0216.C22.o2.tw	Method	TBLASTX:Wheat
Start	8140	End	24849
GI	none	Score	78
Exons	8140..8307, 10435..10503, 10480..10638, 12739..12807, 12838..13020, 17404..17460, 17535..17765, 17539..17778, 20473..20529, 20599..20754, 24562..24618, 24688..24849		

Seq. No.	9583	Seq. ID	OJ990810_15.0216.C22
Gene No.	20460	Strand	-
Start	26772	End	34186
Name	OJ990810_15.0216.C22.o1.tw	Method	TBLASTX:Wheat
Start	23188	End	23427
GI	none	Score	261
Exons	23188..23427, 23202..23426		

Seq. No.	9583	Seq. ID	OJ990810_15.0216.C22
Gene No.	20460	Strand	-
Start	26772	End	34186
Name	OJ990810_15.0216.C22.o6.tm	Method	TBLASTX:Maize
Start	23188	End	23442
GI	none	Score	280
Exons	23188..23442, 23205..23438		

Seq. No.	9583	Seq. ID	OJ990810_15.0216.C22
Gene No.	20460	Strand	-
Start	26772	End	34186
Name	OJ990810_15.0216.C22.o4.ts	Method	TBLASTX:Soybean
Start	23200	End	23429
GI	none	Score	157
Exons	23200..23367, 23214..23429		

Seq. No.	9583	Seq. ID	OJ990810_15.0216.C22
Gene No.	20460	Strand	-
Start	26772	End	34186
Name	OJ990810_15.0216.C22.o3.tc	Method	TBLASTX:Cress
Start	23205	End	23438
GI	none	Score	152
Exons	23205..23438, 23212..23367		

Seq. No.	9583	Seq. ID	OJ990810_15.0216.C22
Gene No.	20460	Strand	-
Start	26772	End	34186
Name	OJ990810_15.0216.C22.o1.tm	Method	TBLASTX:Maize
Start	26764	End	29942
GI	none	Score	77
Exons	26764..26898, 26916..27053, 26923..27048, 27074..27238,		

27091..27249, 27105..27236, 27136..27354, 27238..27285,
27290..27421, 27294..27422, 27316..27420, 27511..27594,
27512..27598, 27518..27598, 27697..27774, 27708..27773,
29603..29665, 29604..29666, 29789..29887, 29798..29875,
29907..29942

Seq. No.	9583	Seq. ID	OJ990810_15.0216.C22
Gene No.	20460	Strand	-
Start	26772	End	34186
Name	OJ990810_15.0216.C22.o9.gs	Method	GENSCAN
Start	26772	End	34021
GI	none	Score	.7
Exons	26772..27419, 28207..28337, 29603..29664, 29799..30410, 31036..31115, 31447..31590, 32040..32151, 32256..32437, 32513..32644, 32764..33720, 33813..34021		

Seq. No.	9583	Seq. ID	OJ990810_15.0216.C22
Gene No.	20460	Strand	-
Start	26772	End	34186
Name	OJ990810_15.0216.C22.o3.np	Method	AAT/NAP
Start	26775	End	29992
GI	6714274	Score	358
Exons	26775..27433, 27516..27601, 27683..27773, 29603..29664, 29799..29860, 29933..29992		
GI Descrip.	(AC017118) F6N18.11 [Arabidopsis thaliana]		

Seq. No.	9583	Seq. ID	OJ990810_15.0216.C22
Gene No.	20460	Strand	-
Start	26772	End	34186
Name	OJ990810_15.0216.C22.o4.np	Method	AAT/NAP
Start	30943	End	33059
GI	2832661	Score	631
Exons	30943..31008, 31053..31115, 31447..31590, 32040..32151, 32256..32473, 32513..32644, 32764..33059		
GI Descrip.	(AL021710) pherophorin - like protein [Arabidopsis thaliana]		

Seq. No.	9583	Seq. ID	OJ990810_15.0216.C22
Gene No.	20460	Strand	-
Start	26772	End	34186
Name	OJ990810_15.0216.C22.o1.ts	Method	TBLASTX:Soybean
Start	31056	End	32886
GI	none	Score	107
Exons	31056..31118, 31441..31593, 31447..31593, 32037..32153, 32242..32439, 32250..32474, 32258..32437, 32510..32641, 32511..32636, 32761..32886		

Seq. No.	9583	Seq. ID	OJ990810_15.0216.C22
Gene No.	20460	Strand	-
Start	26772	End	34186
Name	OJ990810_15.0216.C22.o7.tm	Method	TBLASTX:Maize
Start	31068	End	31593
GI	none	Score	212
Exons	31068..31118, 31447..31593, 31448..31591, 31449..31592		

Seq. No.	9583	Seq. ID	OJ990810_15.0216.C22
Gene No.	20460	Strand	-
Start	26772	End	34186

Name	OJ990810_15.0216.C22.o5.np	Method	AAT/NAP
Start	31953	End	34186
GI	4220455	Score	110
Exons	31953..31972, 33561..33720, 34005..34186		
GI Descrip.	(AC006216) Identical to gene gb|D88746 AR791 from Arabidopsis thaliana. [Arabidopsis thaliana]		

Seq. No.	9583	Seq. ID	OJ990810_15.0216.C22
Gene No.	20460	Strand	-
Start	26772	End	34186
Name	OJ990810_15.0216.C22.o2.tm	Method	TBLASTX:Maize
Start	32037	End	32425
GI	none	Score	123
Exons	32037..32147, 32037..32153, 32041..32154, 32250..32423, 32258..32425, 32267..32425		

Seq. No.	9583	Seq. ID	OJ990810_15.0216.C22
Gene No.	20460	Strand	-
Start	26772	End	34186
Name	OJ990810_15.0216.C22.o1.tc	Method	TBLASTX:Cress
Start	32258	End	32835
GI	none	Score	126
Exons	32258..32437, 32274..32471, 32510..32644, 32511..32639, 32761..32835		

Seq. No.	9583	Seq. ID	OJ990810_15.0216.C22
Gene No.	20460	Strand	-
Start	26772	End	34186
Name	OJ990810_15.0216.C22.o5.tm	Method	TBLASTX:Maize
Start	32759	End	33017
GI	none	Score	250
Exons	32759..32950, 32761..32949, 32768..33016, 32769..33017		

Seq. No.	9583	Seq. ID	OJ990810_15.0216.C22
Gene No.	20460	Strand	-
Start	26772	End	34186
Name	OJ990810_15.0216.C22.o4.tm	Method	TBLASTX:Maize
Start	33223	End	33461
GI	none	Score	256
Exons	33223..33441, 33224..33433, 33229..33438, 33234..33461		

Seq. No.	9583	Seq. ID	OJ990810_15.0216.C22
Gene No.	20460	Strand	-
Start	26772	End	34186
Name	OJ990810_15.0216.C22.o3.ts	Method	TBLASTX:Soybean
Start	33502	End	33962
GI	none	Score	94
Exons	33502..33723, 33556..33678, 33813..33962, 33858..33938		

Seq. No.	9584	Seq. ID	OJ990810_15.0216.C23
Gene No.	20461	Strand	+
Start	672	End	781
Name	OJ990810_15.0216.C23.o1.gs	Method	GENSCAN
Start	672	End	781
GI	none	Score	.67
Exons	672..781		

Seq. No.	9584	Seq. ID	OJ990810_15.0216.C23
Gene No.	20462	Strand	-
Start	2342	End	4055
Name	OJ990810_15.0216.C23.o2.gs	Method	GENSCAN
Start	2342	End	3632
GI	none	Score	.5
Exons	2342..2530, 3080..3173, 3610..3632		

Seq. No.	9584	Seq. ID	OJ990810_15.0216.C23
Gene No.	20462	Strand	-
Start	2342	End	4055
Name	OJ990810_15.0216.C23.o1.np	Method	AAT/NAP
Start	2402	End	4055
GI	563235	Score	25
Exons	2402..2502, 4013..4055		
GI Descrip.	(U15964) xyloglucan endo-transglycosylase homolog; similar to Triticum aestivum endo-xyloglucan transferase, PIR Accession Number E49539 [Zea mays] gi|563927 (U15781) xyloglucan endo-transglycosylase homolog [Zea mays] gi|1097378|prf||2113418A xyloglucan endotransglycosylase homolog [Zea mays]		

Seq. No.	9585	Seq. ID	OJ990810_15.0216.C24
Gene No.	20463	Strand	+
Start	2460	End	6640
Name	OJ990810_15.0216.C24.o1.gs	Method	GENSCAN
Start	2460	End	6477
GI	none	Score	.43
Exons	2460..2587, 3920..4045, 4717..4798, 5317..5457, 6364..6477		

Seq. No.	9585	Seq. ID	OJ990810_15.0216.C24
Gene No.	20463	Strand	+
Start	2460	End	6640
Name	OJ990810_15.0216.C24.o3.gp	Method	AAT/GAP
Start	3865	End	5440
GI	1631921	Score	809
Exons	3865..4045, 4355..4515, 5333..5440		

Seq. No.	9585	Seq. ID	OJ990810_15.0216.C24
Gene No.	20463	Strand	+
Start	2460	End	6640
Name	OJ990810_15.0216.C24.o1.np	Method	AAT/NAP
Start	5325	End	6640
GI	5852089	Score	321
Exons	5325..5457, 6364..6477, 6561..6640		
GI Descrip.	(AL117264) zwh12.1 [Oryza sativa]		

Seq. No.	9585	Seq. ID	OJ990810_15.0216.C24
Gene No.	20464	Strand	-
Start	2349	End	2406
Name	OJ990810_15.0216.C24.o1.gp	Method	AAT/GAP
Start	2349	End	2406
GI	2312838	Score	68
Exons	2349..2406		
GI Descrip.	1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	9585	Seq. ID	OJ990810_15.0216.C24
Gene No.	20465	Strand	
Start	5323	End	6640
Name	OJ990810_15.0216.C24.o1.tm	Method	TBLASTX:Maize
Start	5323	End	6639
GI	none	Score	121
Exons	5323..5457, 5331..5456, 6353..6433, 6364..6477, 6364..6477, 6426..6482, 6560..6616, 6561..6617, 6577..6639		

Seq. No.	9585	Seq. ID	OJ990810_15.0216.C24
Gene No.	20465	Strand	
Start	5323	End	6640
Name	OJ990810_15.0216.C24.o1.tw	Method	TBLASTX:Wheat
Start	5407	End	6640
GI	none	Score	62
Exons	5407..5460, 6382..6498, 6558..6617, 6608..6640		

Seq. No.	9585	Seq. ID	OJ990810_15.0216.C24
Gene No.	20465	Strand	
Start	5323	End	6640
Name	OJ990810_15.0216.C24.o1.ts	Method	TBLASTX:Soybean
Start	6363	End	6640
GI	none	Score	103
Exons	6363..6473, 6364..6477, 6364..6471, 6426..6482, 6560..6616, 6561..6617, 6577..6639, 6584..6640		

Seq. No.	9586	Seq. ID	OJ990810_15.0216.C25
Gene No.	20466	Strand	+
Start	226	End	1951
Name	OJ990810_15.0216.C25.o1.np	Method	AAT/NAP
Start	226	End	1767
GI	4587518	Score	914
Exons	226..436, 575..672, 755..884, 1099..1243, 1522..1767		
GI Descrip.	(AC007060) Strong similarity to F19I3.8 gi|3033381 putative UDP-galactose-4-epimerase from Arabidopsis thaliana BAC gb|AC004238 and is a member of PF|01370 the NAD dependent epimerase/dehydratase family. EST gb|AA59...		

Seq. No.	9586	Seq. ID	OJ990810_15.0216.C25
Gene No.	20466	Strand	+
Start	226	End	1951
Name	OJ990810_15.0216.C25.o1.gp	Method	AAT/GAP
Start	293	End	907
GI	29591_1.R1084	Score	655
Exons	293..436, 575..672, 755..907		
GI Descrip.	'2645165/dbj|D50573|D50573 3.0e-42 Oryza sativa mRNA, similar to ribosomal protein'		

Seq. No.	9586	Seq. ID	OJ990810_15.0216.C25
Gene No.	20466	Strand	+
Start	226	End	1951
Name	OJ990810_15.0216.C25.o1.gs	Method	GENSCAN
Start	341	End	1951
GI	none	Score	.82
Exons	341..436, 575..672, 755..884, 1099..1243, 1522..1693, 1901..1951		

Seq. No.	9586	Seq. ID	OJ990810_15.0216.C25

Gene No.	20467	Strand	-
Start	1603	End	2045
Name	OJ990810_15.0216.C25.o1.tw	Method	TBLASTX:Wheat
Start	278	End	676
GI	none	Score	79
Exons	278..424, 292..417, 292..429, 293..436, 572..649, 574..648, 644..676		

Seq. No.	9586	Seq. ID	OJ990810_15.0216.C25
Gene No.	20467	Strand	-
Start	1603	End	2045
Name	OJ990810_15.0216.C25.o1.ts	Method	TBLASTX:Soybean
Start	292	End	1881
GI	none	Score	226
Exons	292..429, 293..436, 296..439, 559..633, 563..649, 653..676, 750..887, 752..886, 1093..1263, 1096..1245, 1520..1717, 1521..1739, 1534..1731, 1855..1881		

Seq. No.	9586	Seq. ID	OJ990810_15.0216.C25
Gene No.	20467	Strand	-
Start	1603	End	2045
Name	OJ990810_15.0216.C25.o2.tm	Method	TBLASTX:Maize
Start	292	End	904
GI	none	Score	80
Exons	292..435, 292..429, 293..436, 563..670, 577..648, 635..676, 750..887, 752..886, 755..904		

Seq. No.	9586	Seq. ID	OJ990810_15.0216.C25
Gene No.	20467	Strand	-
Start	1603	End	2045
Name	OJ990810_15.0216.C25.o1.tc	Method	TBLASTX:Cress
Start	374	End	1254
GI	none	Score	94
Exons	374..436, 376..429, 571..639, 572..640, 649..675, 650..676, 750..887, 752..886, 1080..1205, 1081..1254, 1096..1239		

Seq. No.	9586	Seq. ID	OJ990810_15.0216.C25
Gene No.	20467	Strand	-
Start	1603	End	2045
Name	OJ990810_15.0216.C25.o1.tm	Method	TBLASTX:Maize
Start	1100	End	1925
GI	none	Score	133
Exons	1100..1252, 1105..1245, 1106..1252, 1108..1263, 1505..1831, 1519..1836, 1520..1771, 1521..1862, 1857..1925		

Seq. No.	9586	Seq. ID	OJ990810_15.0216.C25
Gene No.	20467	Strand	-
Start	1603	End	2045
Name	OJ990810_15.0216.C25.o2.gp	Method	AAT/GAP
Start	1603	End	2045
GI	55796_1.R1084	Score	878
Exons	1603..2045		
GI Descrip.	'5852089/emb|CAB55396.1| 1.0e-15 (AL117264) zwh12.1 [Oryza sativa]'		

Seq. No.	9587	Seq. ID	OJ990810_15.0216.C26
Gene No.	20468	Strand	+

Start	419	End	6954
Name	OJ990810_15.0216.C26.o1.gs	Method	GENSCAN
Start	419	End	6919
GI	none	Score	.8
Exons	419..473, 512..593, 2060..2102, 2409..2540, 2578..2738, 4924..5040, 5277..5548, 6735..6919		

Seq. No.	9587	Seq. ID	OJ990810_15.0216.C26
Gene No.	20468	Strand	+
Start	419	End	6954
Name	OJ990810_15.0216.C26.o1.gp	Method	AAT/GAP
Start	2150	End	4172
GI	18072_1.R1084	Score	824
Exons	2150..2168, 2442..2540, 3806..4172		
GI Descrip.	'2645165/dbj|D50573|D50573 4.0e-42 Oryza sativa mRNA, similar to ribosomal protein'		

Seq. No.	9587	Seq. ID	OJ990810_15.0216.C26
Gene No.	20468	Strand	+
Start	419	End	6954
Name	OJ990810_15.0216.C26.o1.np	Method	AAT/NAP
Start	5506	End	6954
GI	3152584	Score	164
Exons	5506..5548, 6735..6954		
GI Descrip.	(AC002986) YUP8H12R.31 [Arabidopsis thaliana]		

Seq. No.	9587	Seq. ID	OJ990810_15.0216.C26
Gene No.	20468	Strand	+
Start	419	End	6954
Name	OJ990810_15.0216.C26.o1.ts	Method	TBLASTX:Soybean
Start	6704	End	6906
GI	none	Score	193
Exons	6704..6904, 6706..6906		

Seq. No.	9588	Seq. ID	OJ990810_15.0216.C27
Gene No.	20469	Strand	+
Start	137	End	316
Name	OJ990810_15.0216.C27.o1.gs	Method	GENSCAN
Start	137	End	316
GI	none	Score	.86
Exons	137..316		

Seq. No.	9588	Seq. ID	OJ990810_15.0216.C27
Gene No.	20470	Strand	-
Start	963	End	1992
Name	OJ990810_15.0216.C27.o1.ts	Method	TBLASTX:Soybean
Start	1	End	212
GI	none	Score	153
Exons	1..135, 2..211, 3..212, 38..211		

Seq. No.	9588	Seq. ID	OJ990810_15.0216.C27
Gene No.	20470	Strand	-
Start	963	End	1992
Name	OJ990810_15.0216.C27.o1.tm	Method	TBLASTX:Maize
Start	43	End	268
GI	none	Score	72
Exons	43..213, 47..214, 51..221, 206..256, 207..254, 212..268		

Seq. No.	9588	Seq. ID	OJ990810_15.0216.C27
Gene No.	20470	Strand	-
Start	963	End	1992
Name	OJ990810_15.0216.C27.o2.gs	Method	GENSCAN
Start	963	End	1992
GI	none	Score	.91
Exons	963..1012, 1461..1992		

Seq. No.	9589	Seq. ID	OJ990810_15.0216.C28
Gene No.	20471	Strand	-
Start	761	End	4123
Name	OJ990810_15.0216.C28.o1.gs	Method	GENSCAN
Start	761	End	4096
GI	none	Score	.49
Exons	761..901, 2656..2718, 3615..3724, 3864..4096		

Seq. No.	9589	Seq. ID	OJ990810_15.0216.C28
Gene No.	20471	Strand	-
Start	761	End	4123
Name	OJ990810_15.0216.C28.o1.gp	Method	AAT/GAP
Start	1900	End	3748
GI	none	Score	917
Exons	1900..2235, 2656..2718, 3615..3748		

Seq. No.	9589	Seq. ID	OJ990810_15.0216.C28
Gene No.	20471	Strand	-
Start	761	End	4123
Name	OJ990810_15.0216.C28.o1.np	Method	AAT/NAP
Start	2197	End	4108
GI	1872521	Score	292
Exons	2197..2235, 2656..2718, 3528..3727, 3842..4108		
GI Descrip.	(U87833) zinc-finger protein Lsd1 [Arabidopsis thaliana] gi|1872523 (U87834) zinc-finger protein Lsd1 [Arabidopsis thaliana] gi|5262161|emb|CAB45804.1| (AL080253) zinc-finger protein Lsd1 [Arabidopsis thaliana]		

Seq. No.	9589	Seq. ID	OJ990810_15.0216.C28
Gene No.	20471	Strand	-
Start	761	End	4123
Name	OJ990810_15.0216.C28.o1.tc	Method	TBLASTX:Cress
Start	2650	End	4123
GI	none	Score	84
Exons	2650..2715, 3582..3722, 3612..3725, 3616..3714, 3618..3707, 3877..3987, 3877..3963, 3889..3975, 3985..4113, 3986..4123, 3991..4095		

Seq. No.	9589	Seq. ID	OJ990810_15.0216.C28
Gene No.	20471	Strand	-
Start	761	End	4123
Name	OJ990810_15.0216.C28.o1.ts	Method	TBLASTX:Soybean
Start	2650	End	4093
GI	none	Score	49
Exons	2650..2715, 3618..3716, 3618..3713, 3618..3701, 3874..3966, 3877..3987, 3889..3954, 3908..3988, 3982..4083, 3985..4092, 3986..4093		

Seq. No.	9589	Seq. ID	OJ990810_15.0216.C28
Gene No.	20471	Strand	-
Start	761	End	4123
Name	OJ990810_15.0216.C28.o1.tm	Method	TBLASTX:Maize
Start	2660	End	4110
GI	none	Score	61
Exons	2660..2716, 2665..2715, 3613..3729, 3615..3731, 3615..3728, 3615..3719, 3862..3996, 3863..3997, 3886..3966, 3950..4000, 3955..4080, 3994..4110, 3994..4083, 3995..4096, 4011..4097		

Seq. No.	9590	Seq. ID	OJ990810_15.0216.C29
Gene No.	20472	Strand	-
Start	456	End	998
Name	OJ990810_15.0216.C29.o1.gs	Method	GENSCAN
Start	456	End	998
GI	none	Score	.83
Exons	456..650, 996..998		

Seq. No.	9591	Seq. ID	OJ990810_15.0216.C30
Gene No.	20473	Strand	-
Start	1	End	1594
Name	OJ990810_15.0216.C30.o1.gp	Method	AAT/GAP
Start	1	End	327
GI	LIB3477-001-P1-K1-C3	Score	610
Exons	1..327		
GI Descrip.	'4835235/emb|CAB42913.1| 1.0e-18 (AL049862) putative protein [Arabidopsis thaliana]'		

Seq. No.	9591	Seq. ID	OJ990810_15.0216.C30
Gene No.	20473	Strand	-
Start	1	End	1594
Name	OJ990810_15.0216.C30.o1.np	Method	AAT/NAP
Start	1	End	1594
GI	6634762	Score	1176
Exons	1..994, 1470..1594		
GI Descrip.	(AC009917) Contains a bZIP transcription factor PF|00170 domain. ESTs gb|R30400, gb|AA650964, gb|AI994521 come from this gene. [Arabidopsis thaliana]		

Seq. No.	9591	Seq. ID	OJ990810_15.0216.C30
Gene No.	20473	Strand	-
Start	1	End	1594
Name	OJ990810_15.0216.C30.o2.ts	Method	TBLASTX:Soybean
Start	6	End	478
GI	none	Score	92
Exons	6..203, 8..220, 338..478		

Seq. No.	9591	Seq. ID	OJ990810_15.0216.C30
Gene No.	20473	Strand	-
Start	1	End	1594
Name	OJ990810_15.0216.C30.o1.gs	Method	GENSCAN
Start	121	End	1539
GI	none	Score	.9
Exons	121..994, 1470..1539		

Seq. No.	9591	Seq. ID	OJ990810_15.0216.C30
Gene No.	20473	Strand	-

Start	1	End	1594
Name	OJ990810_15.0216.C30.o1.tm	Method	TBLASTX:Maize
Start	152	End	1000
GI	none	Score	71
Exons	152..274, 153..230, 315..563, 617..919, 947..1000	338..562, 563..922, 579..905,	

Seq. No.	9591	Seq. ID	OJ990810_15.0216.C30
Gene No.	20473	Strand	-
Start	1	End	1594
Name	OJ990810_15.0216.C30.o1.ts	Method	TBLASTX:Soybean
Start	515	End	791
GI	none	Score	272
Exons	515..790, 516..791		

Seq. No.	9591	Seq. ID	OJ990810_15.0216.C30
Gene No.	20473	Strand	-
Start	1	End	1594
Name	OJ990810_15.0216.C30.o1.tc	Method	TBLASTX:Cress
Start	585	End	1013
GI	none	Score	120
Exons	585..1013, 599..943		

Seq. No.	9591	Seq. ID	OJ990810_15.0216.C30
Gene No.	20473	Strand	-
Start	1	End	1594
Name	OJ990810_15.0216.C30.o1.tw	Method	TBLASTX:Wheat
Start	635	End	916
GI	none	Score	128
Exons	635..916, 693..899		

Seq. No.	9592	Seq. ID	OJ990810_15.0216.C31
Gene No.	20474	Strand	+
Start	362	End	1297
Name	OJ990810_15.0216.C31.o1.gs	Method	GENSCAN
Start	362	End	1297
GI	none	Score	.43
Exons	362..493, 1103..1297		

Seq. No.	9593	Seq. ID	OJ990810_15.0216.C32
Gene No.	20475	Strand	+
Start	975	End	1059
Name	OJ990810_15.0216.C32.o1.gp	Method	AAT/GAP
Start	975	End	1059
GI	LIB3477-003-P1-K1-E9	Score	117
Exons	975..1059		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	9593	Seq. ID	OJ990810_15.0216.C32
Gene No.	20476	Strand	-
Start	699	End	760
Name	OJ990810_15.0216.C32.o1.gs	Method	GENSCAN
Start	699	End	760
GI	none	Score	.68
Exons	699..760		

Seq. No.	9594	Seq. ID	OJ990810_15.0216.C33
Gene No.	20477	Strand	+
Start	538	End	635
Name	OJ990810_15.0216.C33.o1.gp	Method	AAT/GAP
Start	538	End	635
GI	58275_1.R1084	Score	196
Exons	538..635		
GI Descrip.	'121631/sp|P27484|GRP2_NICSY 8.0e-21 GLYCINE-RICH CELL WALL STRUCTURAL PROTEIN 2 PRECURSOR >gi_72323_pir__KNNT2S glycine-rich protein 2 - wood tobacco >gi_19743_emb_CAA42622_ (X60007) nsGRP-2 [Nicotiana sylvestris]'		

Seq. No.	9594	Seq. ID	OJ990810_15.0216.C33
Gene No.	20478	Strand	-
Start	1	End	270
Name	OJ990810_15.0216.C33.o1.np	Method	AAT/NAP
Start	1	End	270
GI	6006867	Score	135
Exons	1..270		
GI Descrip.	(AC009540) unknown protein [Arabidopsis thaliana]		

Seq. No.	9594	Seq. ID	OJ990810_15.0216.C33
Gene No.	20478	Strand	-
Start	1	End	270
Name	OJ990810_15.0216.C33.o1.gs	Method	GENSCAN
Start	11	End	184
GI	none	Score	.76
Exons	11..184		

Seq. No.	9595	Seq. ID	OJ990810_15.0216.C34
Gene No.	20479	Strand	+
Start	701	End	2334
Name	OJ990810_15.0216.C34.o1.np	Method	AAT/NAP
Start	701	End	2334
GI	6721516	Score	191
Exons	701..722, 2170..2334		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	9595	Seq. ID	OJ990810_15.0216.C34
Gene No.	20479	Strand	+
Start	701	End	2334
Name	OJ990810_15.0216.C34.o1.gs	Method	GENSCAN
Start	1913	End	2042
GI	none	Score	.9
Exons	1913..2042		

Seq. No.	9596	Seq. ID	OJ990810_15.0216.C35
Gene No.	20480	Strand	+
Start	4678	End	7540
Name	OJ990810_15.0216.C35.o1.gs	Method	GENSCAN
Start	4678	End	7540
GI	none	Score	.68
Exons	4678..4844, 5614..5795, 7389..7540		

Seq. No.	9596	Seq. ID	OJ990810_15.0216.C35
Gene No.	20481	Strand	-

Start	5919	End	6243
Name	OJ990810_15.0216.C35.o1.gp	Method	AAT/GAP
Start	5919	End	6243
GI	none	Score	610
Exons	5919..6243		

Seq. No.	9597	Seq. ID	OJ990810_15.0216.C36
Gene No.	20482	Strand	-
Start	1	End	7348
Name	OJ990810_15.0216.C36.o1.np	Method	AAT/NAP
Start	1	End	5159
GI	4028970	Score	403
Exons	1..104, 2329..2529, 2999..3067, 3139..3287, 3474..3686, 4584..4635, 5007..5159		
GI Descrip.	(AF060248) pollenless3 [Arabidopsis thaliana]		

Seq. No.	9597	Seq. ID	OJ990810_15.0216.C36
Gene No.	20482	Strand	-
Start	1	End	7348
Name	OJ990810_15.0216.C36.o1.gs	Method	GENSCAN
Start	418	End	7246
GI	none	Score	.46
Exons	418..557, 707..906, 1257..2321, 2397..2529, 2999..3067, 3139..3287, 3474..3686, 4584..4635, 4700..4888, 7038..7246		

Seq. No.	9597	Seq. ID	OJ990810_15.0216.C36
Gene No.	20482	Strand	-
Start	1	End	7348
Name	OJ990810_15.0216.C36.o1.tm	Method	TBLASTX:Maize
Start	2308	End	3069
GI	none	Score	213
Exons	2308..2532, 2308..2529, 2310..2534, 2944..3054, 2988..3053, 2998..3069		

Seq. No.	9597	Seq. ID	OJ990810_15.0216.C36
Gene No.	20482	Strand	-
Start	1	End	7348
Name	OJ990810_15.0216.C36.o1.tc	Method	TBLASTX:Cress
Start	3450	End	3692
GI	none	Score	158
Exons	3450..3692, 3475..3681		

Seq. No.	9597	Seq. ID	OJ990810_15.0216.C36
Gene No.	20482	Strand	-
Start	1	End	7348
Name	OJ990810_15.0216.C36.o1.tw	Method	TBLASTX:Wheat
Start	3472	End	3677
GI	none	Score	289
Exons	3472..3675, 3473..3676, 3474..3677		

Seq. No.	9597	Seq. ID	OJ990810_15.0216.C36
Gene No.	20482	Strand	-
Start	1	End	7348
Name	OJ990810_15.0216.C36.o2.tm	Method	TBLASTX:Maize
Start	3474	End	3692
GI	none	Score	172
Exons	3474..3692, 3481..3681		

Seq. No.	9597	Seq. ID	OJ990810_15.0216.C36
Gene No.	20482	Strand	-
Start	1	End	7348
Name	OJ990810_15.0216.C36.o1.gp	Method	AAT/GAP
Start	6363	End	6667
GI	none	Score	506
Exons	6363..6667		

Seq. No.	9597	Seq. ID	OJ990810_15.0216.C36
Gene No.	20482	Strand	-
Start	1	End	7348
Name	OJ990810_15.0216.C36.o2.np	Method	AAT/NAP
Start	6516	End	7348
GI	6634775	Score	196
Exons	6516..6642, 7038..7348		
GI Descrip.	(AC009917) Contains similarity to gi|34845 luciferase YE protein from Pyrophorus plagiophthalamus, and contains an AMP-binding PF|00501 domain. [Arabidopsis thaliana]		

Seq. No.	9598	Seq. ID	OJ990810_15.0216.C37
Gene No.	20483	Strand	-
Start	1	End	1769
Name	OJ990810_15.0216.C37.o1.np	Method	AAT/NAP
Start	1	End	1766
GI	6634775	Score	520
Exons	1..134, 220..413, 490..647, 810..978, 1111..1212, 1371..1443, 1573..1766		
GI Descrip.	(AC009917) Contains similarity to gi|34845 luciferase YE protein from Pyrophorus plagiophthalamus, and contains an AMP-binding PF|00501 domain. [Arabidopsis thaliana]		

Seq. No.	9598	Seq. ID	OJ990810_15.0216.C37
Gene No.	20483	Strand	-
Start	1	End	1769
Name	OJ990810_15.0216.C37.o1.gs	Method	GENSCAN
Start	195	End	1769
GI	none	Score	.73
Exons	195..413, 550..647, 810..920, 1044..1212, 1371..1443, 1573..1769		

Seq. No.	9598	Seq. ID	OJ990810_15.0216.C37
Gene No.	20484	Strand	-
Start	2486	End	5063
Name	OJ990810_15.0216.C37.o1.gp	Method	AAT/GAP
Start	2335	End	5063
GI	738_1.R1084	Score	2341
Exons	2335..2626, 3056..3448, 3540..3638, 4509..4577, 4669..5063		
GI Descrip.	'730580/sp|P41095|RLA0_ORYSA 1.0e-147 60S ACIDIC RIBOSOMAL PROTEIN P0 >gi_455401_dbj_BAA04668_ (D21130) acidic ribosomal protein P0 [Oryza sativa]'		

Seq. No.	9598	Seq. ID	OJ990810_15.0216.C37
Gene No.	20484	Strand	-
Start	2486	End	5063
Name	OJ990810_15.0216.C37.o2.gs	Method	GENSCAN
Start	2486	End	4925
GI	none	Score	.94

Exons	2486..2626, 3056..3448, 3540..3638, 4509..4577, 4725..4925		
Seq. No.	9598	Seq. ID	OJ990810_15.0216.C37
Gene No.	20484	Strand	-
Start	2486	End	5063
Name	OJ990810_15.0216.C37.o2.np	Method	AAT/NAP
Start	2489	End	4925
GI	730580	Score	1455
Exons	2489..2626, 3056..3448, 3540..3638, 4509..4577, 4669..4925		
GI Descrip.	60S ACIDIC RIBOSOMAL PROTEIN P0 gi|455401|dbj|BAA04668| (D21130) acidic ribosomal protein P0 [Oryza sativa]		
Seq. No.	9598	Seq. ID	OJ990810_15.0216.C37
Gene No.	20485	Strand	-
Start	5956	End	6979
Name	OJ990810_15.0216.C37.o3.ts	Method	TBLASTX:Soybean
Start	35	End	362
GI	none	Score	66
Exons	35..139, 54..146, 216..362, 235..351, 243..353		
Seq. No.	9598	Seq. ID	OJ990810_15.0216.C37
Gene No.	20485	Strand	-
Start	5956	End	6979
Name	OJ990810_15.0216.C37.o1.tc	Method	TBLASTX:Cress
Start	3051	End	4928
GI	none	Score	341
Exons	3051..3179, 3054..3458, 3056..3451, 3534..3641, 3537..3599, 4506..4619, 4507..4578, 4678..4902, 4704..4928		
Seq. No.	9598	Seq. ID	OJ990810_15.0216.C37
Gene No.	20485	Strand	-
Start	5956	End	6979
Name	OJ990810_15.0216.C37.o1.ts	Method	TBLASTX:Soybean
Start	3054	End	4928
GI	none	Score	371
Exons	3054..3458, 3055..3315, 3056..3451, 3534..3641, 3538..3579, 4506..4619, 4507..4587, 4678..4860, 4704..4877, 4881..4928		
Seq. No.	9598	Seq. ID	OJ990810_15.0216.C37
Gene No.	20485	Strand	-
Start	5956	End	6979
Name	OJ990810_15.0216.C37.o1.tm	Method	TBLASTX:Maize
Start	3056	End	5045
GI	none	Score	436
Exons	3056..3451, 3059..3451, 3534..3641, 3537..3599, 4505..4573, 4506..4577, 4507..4587, 4702..4902, 4704..4931, 5009..5044, 5022..5045		
Seq. No.	9598	Seq. ID	OJ990810_15.0216.C37
Gene No.	20485	Strand	-
Start	5956	End	6979
Name	OJ990810_15.0216.C37.o1.tw	Method	TBLASTX:Wheat
Start	3161	End	3641
GI	none	Score	352
Exons	3161..3463, 3161..3451, 3165..3458, 3534..3641, 3537..3599		
Seq. No.	9598	Seq. ID	OJ990810_15.0216.C37

Gene No.	20485	Strand	-
Start	5956	End	6979
Name	OJ990810_15.0216.C37.o2.tw	Method	TBLASTX:Wheat
Start	4667	End	5053
GI	none	Score	51
Exons	4667..4702, 4668..4703, 4698..4931, 4699..4902, 5009..5053, 5022..5051		

Seq. No.	9598	Seq. ID	OJ990810_15.0216.C37
Gene No.	20485	Strand	-
Start	5956	End	6979
Name	OJ990810_15.0216.C37.o2.gp	Method	AAT/GAP
Start	5681	End	6160
GI	67792_1.R1084	Score	879
Exons	5681..6160		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	9598	Seq. ID	OJ990810_15.0216.C37
Gene No.	20485	Strand	-
Start	5956	End	6979
Name	OJ990810_15.0216.C37.o3.gs	Method	GENSCAN
Start	5956	End	6906
GI	none	Score	.99
Exons	5956..6525, 6810..6906		

Seq. No.	9598	Seq. ID	OJ990810_15.0216.C37
Gene No.	20485	Strand	-
Start	5956	End	6979
Name	OJ990810_15.0216.C37.o3.np	Method	AAT/NAP
Start	6118	End	6979
GI	6634762	Score	360
Exons	6118..6525, 6947..6979		
GI Descrip.	(AC009917) Contains a bZIP transcription factor PF|00170 domain. ESTs gb|R30400, gb|AA650964, gb|AI994521 come from this gene. [Arabidopsis thaliana]		

Seq. No.	9598	Seq. ID	OJ990810_15.0216.C37
Gene No.	20485	Strand	-
Start	5956	End	6979
Name	OJ990810_15.0216.C37.o2.ts	Method	TBLASTX:Soybean
Start	6127	End	6528
GI	none	Score	99
Exons	6127..6270, 6310..6525, 6356..6526, 6409..6528		

Seq. No.	9598	Seq. ID	OJ990810_15.0216.C37
Gene No.	20485	Strand	-
Start	5956	End	6979
Name	OJ990810_15.0216.C37.o2.tm	Method	TBLASTX:Maize
Start	6130	End	6536
GI	none	Score	49
Exons	6130..6273, 6135..6194, 6163..6264, 6176..6274, 6319..6525, 6320..6526, 6403..6528, 6428..6532, 6429..6536		

Seq. No.	9598	Seq. ID	OJ990810_15.0216.C37
Gene No.	20485	Strand	-
Start	5956	End	6979

Name	OJ990810_15.0216.C37.o2.tc	Method	TBLASTX:Cress
Start	6157	End	6510
GI	none	Score	61
Exons	6157..6279, 6337..6510, 6341..6463		

Seq. No.	9599	Seq. ID	OJ990810_15.0216.C39
Gene No.	20486	Strand	+
Start	1	End	469
Name	OJ990810_15.0216.C39.o1.np	Method	AAT/NAP
Start	1	End	466
GI	6815053	Score	635
Exons	1..179, 229..466		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	9599	Seq. ID	OJ990810_15.0216.C39
Gene No.	20486	Strand	+
Start	1	End	469
Name	OJ990810_15.0216.C39.o1.gs	Method	GENSCAN
Start	63	End	469
GI	none	Score	.45
Exons	63..469		

Seq. No.	9600	Seq. ID	OJ990810_15.0216.C40
Gene No.	20487	Strand	+
Start	784	End	1144
Name	OJ990810_15.0216.C40.o1.gp	Method	AAT/GAP
Start	784	End	1144
GI	LIB3431-045-P1-N1-A10	Score	617
Exons	784..1144		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	9600	Seq. ID	OJ990810_15.0216.C40
Gene No.	20488	Strand	-
Start	210	End	742
Name	OJ990810_15.0216.C40.o1.gs	Method	GENSCAN
Start	210	End	742
GI	none	Score	.64
Exons	210..332, 399..557, 740..742		

Seq. No.	9600	Seq. ID	OJ990810_15.0216.C40
Gene No.	20489	Strand	-
Start	969	End	6917
Name	OJ990810_15.0216.C40.o2.gs	Method	GENSCAN
Start	969	End	6917
GI	none	Score	.45
Exons	969..1204, 1280..1482, 1487..1534, 1598..1729, 1820..1885, 1992..2073, 2105..2225, 2319..2577, 2654..2952, 3110..3454, 3629..3875, 3981..4131, 4571..6473, 6504..6917		

Seq. No.	9600	Seq. ID	OJ990810_15.0216.C40
Gene No.	20489	Strand	-
Start	969	End	6917
Name	OJ990810_15.0216.C40.o1.np	Method	AAT/NAP
Start	1248	End	6746
GI	5441880	Score	4755
Exons	1248..1482, 1598..1729, 1976..2073, 2319..2577, 2654..2952,		

	3539..3875, 3981..4131, 4691..5006, 5265..5296, 5741..6746		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	9600	Seq. ID	OJ990810_15.0216.C40
Gene No.	20489	Strand	-
Start	969	End	6917
Name	OJ990810_15.0216.C40.o2.gp	Method	AAT/GAP
Start	2327	End	2826
GI	LIB3475-007-P1-K1-G8	Score	789
Exons	2327..2577, 2654..2826		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	9600	Seq. ID	OJ990810_15.0216.C40
Gene No.	20489	Strand	-
Start	969	End	6917
Name	OJ990810_15.0216.C40.o1.tw	Method	TBLASTX:Wheat
Start	5511	End	5891
GI	none	Score	79
Exons	5511..5687, 5541..5687, 5572..5691, 5685..5882, 5697..5891		

Seq. No.	9600	Seq. ID	OJ990810_15.0216.C40
Gene No.	20489	Strand	-
Start	969	End	6917
Name	OJ990810_15.0216.C40.o1.tm	Method	TBLASTX:Maize
Start	5589	End	6185
GI	none	Score	153
Exons	5589..5660, 5724..6023, 5785..6006, 6057..6185, 6079..6177		

Seq. No.	9600	Seq. ID	OJ990810_15.0216.C40
Gene No.	20489	Strand	-
Start	969	End	6917
Name	OJ990810_15.0216.C40.o3.gp	Method	AAT/GAP
Start	5711	End	6142
GI	5701669	Score	841
Exons	5711..6142		
GI Descrip.	5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	9601	Seq. ID	OJ990810_15.0216.C41
Gene No.	20490	Strand	+
Start	725	End	877
Name	OJ990810_15.0216.C41.o1.gs	Method	GENSCAN
Start	725	End	877
GI	none	Score	.66
Exons	725..877		

Seq. No.	9602	Seq. ID	OJ990820_14.0223.C2
Gene No.	20491	Strand	+
Start	199	End	559
Name	OJ990820_14.0223.C2.o1.gs	Method	GENSCAN
Start	199	End	359
GI	none	Score	.92

Exons	199..359		
Seq. No.	9602	Seq. ID	OJ990820_14.0223.C2
Gene No.	20491	Strand	+
Start	199	End	559
Name	OJ990820_14.0223.C2.o1.tm	Method	TBLASTX:Maize
Start	254	End	559
GI	none	Score	89
Exons	254..304, 302..559, 306..551		
Seq. No.	9603	Seq. ID	OJ990820_14.0223.C3
Gene No.	20492	Strand	+
Start	451	End	1552
Name	OJ990820_14.0223.C3.o1.gs	Method	GENSCAN
Start	451	End	1552
GI	none	Score	.87
Exons	451..1552		
Seq. No.	9603	Seq. ID	OJ990820_14.0223.C3
Gene No.	20492	Strand	+
Start	451	End	1552
Name	OJ990820_14.0223.C3.o1.np	Method	AAT/NAP
Start	549	End	1537
GI	5487873	Score	489
Exons	549..1537		
GI Descrip.	(AF110333) PrMC3 [Pinus radiata]		
Seq. No.	9603	Seq. ID	OJ990820_14.0223.C3
Gene No.	20493	Strand	-
Start	2646	End	3504
Name	OJ990820_14.0223.C3.o2.np	Method	AAT/NAP
Start	1878	End	3489
GI	5923676	Score	135
Exons	1878..1933, 2815..3001, 3040..3489		
GI Descrip.	(AC009326) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	9603	Seq. ID	OJ990820_14.0223.C3
Gene No.	20493	Strand	-
Start	2646	End	3504
Name	OJ990820_14.0223.C3.o2.gs	Method	GENSCAN
Start	2646	End	3504
GI	none	Score	.64
Exons	2646..2726, 2827..3504		
Seq. No.	9603	Seq. ID	OJ990820_14.0223.C3
Gene No.	20494	Strand	-
Start	5210	End	6462
Name	OJ990820_14.0223.C3.o1.tm	Method	TBLASTX:Maize
Start	532	End	964
GI	none	Score	80
Exons	532..615, 563..643, 674..733, 674..751, 767..901, 769..909, 899..964, 899..964		
Seq. No.	9603	Seq. ID	OJ990820_14.0223.C3
Gene No.	20494	Strand	-
Start	5210	End	6462
Name	OJ990820_14.0223.C3.o1.tw	Method	TBLASTX:Wheat

Start	556	End	943
GI	none	Score	72
Exons	556..615, 563..652, 668..733, 668..751, 678..752, 766..942, 767..943		

Seq. No.	9603	Seq. ID	OJ990820_14.0223.C3
Gene No.	20494	Strand	-
Start	5210	End	6462
Name	OJ990820_14.0223.C3.o1.ts	Method	TBLASTX:Soybean
Start	563	End	1518
GI	none	Score	70
Exons	563..652, 674..973, 980..1084, 1129..1197, 1130..1195, 1208..1300, 1210..1296, 1355..1501, 1396..1497, 1492..1518		

Seq. No.	9603	Seq. ID	OJ990820_14.0223.C3
Gene No.	20494	Strand	-
Start	5210	End	6462
Name	OJ990820_14.0223.C3.o1.tc	Method	TBLASTX:Cress
Start	770	End	1279
GI	none	Score	149
Exons	770..970, 1013..1087, 1130..1183, 1211..1279		

Seq. No.	9603	Seq. ID	OJ990820_14.0223.C3
Gene No.	20494	Strand	-
Start	5210	End	6462
Name	OJ990820_14.0223.C3.o2.tm	Method	TBLASTX:Maize
Start	980	End	1300
GI	none	Score	101
Exons	980..1072, 1129..1212, 1130..1210, 1229..1300, 1237..1296		

Seq. No.	9603	Seq. ID	OJ990820_14.0223.C3
Gene No.	20494	Strand	-
Start	5210	End	6462
Name	OJ990820_14.0223.C3.o2.tw	Method	TBLASTX:Wheat
Start	2667	End	6462
GI	none	Score	74
Exons	2667..2729, 2671..2748, 2827..2880, 2827..2883, 2914..2979, 2918..2974, 2935..2979, 2983..3117, 3050..3097, 5291..5353, 5424..5462, 5425..5484, 5425..5484, 5502..5576, 5503..5604, 5504..5581, 5505..5609, 5661..5729, 6415..6462, 6416..6457		

Seq. No.	9603	Seq. ID	OJ990820_14.0223.C3
Gene No.	20494	Strand	-
Start	5210	End	6462
Name	OJ990820_14.0223.C3.o3.gs	Method	GENSCAN
Start	5210	End	5805
GI	none	Score	.54
Exons	5210..5350, 5425..5694, 5716..5805		

Seq. No.	9604	Seq. ID	OJ990820_14.0223.C4
Gene No.	20495	Strand	+
Start	186	End	419
Name	OJ990820_14.0223.C4.o1.gs	Method	GENSCAN
Start	186	End	419
GI	none	Score	.93
Exons	186..419		

Seq. No.	9605	Seq. ID	OJ990820_14.0223.C5
Gene No.	20496	Strand	-
Start	1	End	146
Name	OJ990820_14.0223.C5.o1.np	Method	AAT/NAP
Start	1	End	146
GI	5923679	Score	81
Exons	1..146		
GI Descrip.	(AC009326) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	9605	Seq. ID	OJ990820_14.0223.C5
Gene No.	20497	Strand	-
Start	62	End	134
Name	OJ990820_14.0223.C5.o1.gs	Method	GENSCAN
Start	62	End	134
GI	none	Score	.65
Exons	62..134		

Seq. No.	9606	Seq. ID	OJ990820_14.0223.C6
Gene No.	20498	Strand	-
Start	161	End	811
Name	OJ990820_14.0223.C6.o1.gs	Method	GENSCAN
Start	161	End	811
GI	none	Score	.57
Exons	161..187, 624..811		

Seq. No.	9607	Seq. ID	OJ990820_14.0223.C7
Gene No.	20499	Strand	+
Start	184	End	1023
Name	OJ990820_14.0223.C7.o1.gs	Method	GENSCAN
Start	184	End	1023
GI	none	Score	.5
Exons	184..387, 663..1023		

Seq. No.	9607	Seq. ID	OJ990820_14.0223.C7
Gene No.	20500	Strand	+
Start	1963	End	4726
Name	OJ990820_14.0223.C7.o2.gs	Method	GENSCAN
Start	1963	End	4700
GI	none	Score	.71
Exons	1963..3028, 3056..3224, 3328..4700		

Seq. No.	9607	Seq. ID	OJ990820_14.0223.C7
Gene No.	20500	Strand	+
Start	1963	End	4726
Name	OJ990820_14.0223.C7.o2.np	Method	AAT/NAP
Start	1963	End	4726
GI	6907089	Score	3534
Exons	1963..3224, 3328..4726		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	9607	Seq. ID	OJ990820_14.0223.C7
Gene No.	20501	Strand	-
Start	1	End	1649
Name	OJ990820_14.0223.C7.o1.np	Method	AAT/NAP
Start	1	End	1649
GI	5042454	Score	410
Exons	1..312, 366..457, 1571..1649		

GI Descrip. (AC007789) putative polyprotein [Oryza sativa]

Seq. No.	9608	Seq. ID	OJ990820_14.0223.C8
Gene No.	20502	Strand	+
Start	106	End	438
Name	OJ990820_14.0223.C8.o1.gs	Method	GENSCAN
Start	106	End	438
GI	none	Score	.94
Exons	106..438		

Seq. No.	9608	Seq. ID	OJ990820_14.0223.C8
Gene No.	20503	Strand	-
Start	1058	End	3417
Name	OJ990820_14.0223.C8.o2.gs	Method	GENSCAN
Start	1058	End	3372
GI	none	Score	.93
Exons	1058..1915, 1985..2800, 2834..2941, 3019..3372		

Seq. No.	9608	Seq. ID	OJ990820_14.0223.C8
Gene No.	20503	Strand	-
Start	1058	End	3417
Name	OJ990820_14.0223.C8.o2.tm	Method	TBLASTX:Maize
Start	1058	End	1201
GI	none	Score	114
Exons	1058..1201, 1062..1196		

Seq. No.	9608	Seq. ID	OJ990820_14.0223.C8
Gene No.	20503	Strand	-
Start	1058	End	3417
Name	OJ990820_14.0223.C8.o1.np	Method	AAT/NAP
Start	1061	End	3417
GI	6498441	Score	2773
Exons	1061..1342, 1436..2833, 3005..3417		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	9608	Seq. ID	OJ990820_14.0223.C8
Gene No.	20503	Strand	-
Start	1058	End	3417
Name	OJ990820_14.0223.C8.o3.tw	Method	TBLASTX:Wheat
Start	1070	End	1672
GI	none	Score	68
Exons	1070..1195, 1086..1196, 1388..1672, 1392..1667		

Seq. No.	9608	Seq. ID	OJ990820_14.0223.C8
Gene No.	20503	Strand	-
Start	1058	End	3417
Name	OJ990820_14.0223.C8.o1.tw	Method	TBLASTX:Wheat
Start	1673	End	2054
GI	none	Score	238
Exons	1673..2053, 1704..2054		

Seq. No.	9608	Seq. ID	OJ990820_14.0223.C8
Gene No.	20503	Strand	-
Start	1058	End	3417
Name	OJ990820_14.0223.C8.o1.tm	Method	TBLASTX:Maize

Start	1868	End	2191
GI	none	Score	209
Exons	1868..2191, 1881..2162		

Seq. No.	9608	Seq. ID	OJ990820_14.0223.C8
Gene No.	20503	Strand	-
Start	1058	End	3417
Name	OJ990820_14.0223.C8.o4.tw	Method	TBLASTX:Wheat
Start	2384	End	2644
GI	none	Score	182
Exons	2384..2644		

Seq. No.	9608	Seq. ID	OJ990820_14.0223.C8
Gene No.	20503	Strand	-
Start	1058	End	3417
Name	OJ990820_14.0223.C8.o2.tw	Method	TBLASTX:Wheat
Start	2699	End	3078
GI	none	Score	89
Exons	2699..2848, 2700..2837, 2892..3035, 2909..3040, 2909..3034, 2935..3078		

Seq. No.	9609	Seq. ID	OJ990820_14.0223.C9
Gene No.	20504	Strand	+
Start	1	End	950
Name	OJ990820_14.0223.C9.o1.np	Method	AAT/NAP
Start	1	End	950
GI	5902445	Score	1520
Exons	1..950		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	9609	Seq. ID	OJ990820_14.0223.C9
Gene No.	20504	Strand	+
Start	1	End	950
Name	OJ990820_14.0223.C9.o1.gs	Method	GENSCAN
Start	229	End	881
GI	none	Score	.46
Exons	229..881		

Seq. No.	9609	Seq. ID	OJ990820_14.0223.C9
Gene No.	20505	Strand	+
Start	12380	End	12655
Name	OJ990820_14.0223.C9.o5.gs	Method	GENSCAN
Start	12380	End	12655
GI	none	Score	.64
Exons	12380..12655		

Seq. No.	9609	Seq. ID	OJ990820_14.0223.C9
Gene No.	20506	Strand	+
Start	17511	End	18533
Name	OJ990820_14.0223.C9.o4.np	Method	AAT/NAP
Start	17502	End	18533
GI	3355472	Score	416
Exons	17502..17705, 17796..18533		
GI Descrip.	(AC004218) putative disease resistance response protein [Arabidopsis thaliana]		

Seq. No.	9609	Seq. ID	OJ990820_14.0223.C9

Gene No.	20506	Strand	+
Start	17511	End	18533
Name	OJ990820_14.0223.C9.o7.gs	Method	GENSCAN
Start	17511	End	18533
GI	none	Score	.83
Exons	17511..18533		

Seq. No.	9609	Seq. ID	OJ990820_14.0223.C9
Gene No.	20507	Strand	-
Start	1283	End	4199
Name	OJ990820_14.0223.C9.o2.gs	Method	GENSCAN
Start	1283	End	4199
GI	none	Score	.76
Exons	1283..1734, 1984..2173, 2248..2435, 2513..2591, 2625..2871, 2948..3168, 3315..4199		

Seq. No.	9609	Seq. ID	OJ990820_14.0223.C9
Gene No.	20507	Strand	-
Start	1283	End	4199
Name	OJ990820_14.0223.C9.o2.np	Method	AAT/NAP
Start	1295	End	4199
GI	6691716	Score	2482
Exons	1295..1734, 1808..1921, 2071..2173, 2248..2435, 2513..2692, 2769..2871, 2948..3126, 3315..4199		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	9609	Seq. ID	OJ990820_14.0223.C9
Gene No.	20508	Strand	-
Start	5700	End	6690
Name	OJ990820_14.0223.C9.o3.gs	Method	GENSCAN
Start	5700	End	6690
GI	none	Score	.82
Exons	5700..6551, 6574..6690		

Seq. No.	9609	Seq. ID	OJ990820_14.0223.C9
Gene No.	20509	Strand	-
Start	8582	End	9595
Name	OJ990820_14.0223.C9.o4.gs	Method	GENSCAN
Start	8582	End	9595
GI	none	Score	1
Exons	8582..9595		

Seq. No.	9609	Seq. ID	OJ990820_14.0223.C9
Gene No.	20509	Strand	-
Start	8582	End	9595
Name	OJ990820_14.0223.C9.o1.gp	Method	AAT/GAP
Start	8953	End	9337
GI	LIB3434-065-P1-K1-E5	Score	569
Exons	8953..9337		
GI Descrip.	'5487873/gb|AAD04946.2| 5.0e-12 (AF110333) PrMC3 [Pinus radiata]'		

Seq. No.	9609	Seq. ID	OJ990820_14.0223.C9
Gene No.	20510	Strand	-
Start	13607	End	16102

Name	OJ990820_14.0223.C9.o2.tw	Method	TBLASTX:Wheat
Start	21	End	320
GI	none	Score	316
Exons	21..320, 21..212, 26..304		

Seq. No.	9609	Seq. ID	OJ990820_14.0223.C9
Gene No.	20510	Strand	-
Start	13607	End	16102
Name	OJ990820_14.0223.C9.o5.tm	Method	TBLASTX:Maize
Start	21	End	358
GI	none	Score	170
Exons	21..248, 74..232, 215..358, 243..356		

Seq. No.	9609	Seq. ID	OJ990820_14.0223.C9
Gene No.	20510	Strand	-
Start	13607	End	16102
Name	OJ990820_14.0223.C9.o1.tw	Method	TBLASTX:Wheat
Start	327	End	941
GI	none	Score	389
Exons	327..818, 327..593, 482..616, 804..941		

Seq. No.	9609	Seq. ID	OJ990820_14.0223.C9
Gene No.	20510	Strand	-
Start	13607	End	16102
Name	OJ990820_14.0223.C9.o6.tm	Method	TBLASTX:Maize
Start	639	End	902
GI	none	Score	163
Exons	639..821, 761..820, 800..901, 801..902		

Seq. No.	9609	Seq. ID	OJ990820_14.0223.C9
Gene No.	20510	Strand	-
Start	13607	End	16102
Name	OJ990820_14.0223.C9.o6.tw	Method	TBLASTX:Wheat
Start	3789	End	4079
GI	none	Score	214
Exons	3789..4079		

Seq. No.	9609	Seq. ID	OJ990820_14.0223.C9
Gene No.	20510	Strand	-
Start	13607	End	16102
Name	OJ990820_14.0223.C9.o2.ts	Method	TBLASTX:Soybean
Start	5703	End	9571
GI	none	Score	71
Exons	5703..5843, 5898..5987, 5899..5946, 5953..6087, 5985..6089, 6102..6206, 6228..6431, 6262..6303, 6595..6663, 8639..8977, 8673..8972, 8925..9140, 8936..9136, 9149..9364, 9168..9224, 9315..9359, 9383..9445, 9503..9571		

Seq. No.	9609	Seq. ID	OJ990820_14.0223.C9
Gene No.	20510	Strand	-
Start	13607	End	16102
Name	OJ990820_14.0223.C9.o3.tm	Method	TBLASTX:Maize
Start	5898	End	9143
GI	none	Score	82
Exons	5898..5969, 5899..5958, 5986..6105, 5997..6104, 6114..6212, 6115..6180, 8825..9142, 8826..9143		

Seq. No.	9609	Seq. ID	OJ990820_14.0223.C9
Gene No.	20510	Strand	-
Start	13607	End	16102
Name	OJ990820_14.0223.C9.o3.tc	Method	TBLASTX:Cress
Start	6114	End	9296
GI	none	Score	82
Exons	6114..6206, 6234..6362, 6241..6366, 8864..9136, 9072..9116, 9164..9295, 9183..9296		

Seq. No.	9609	Seq. ID	OJ990820_14.0223.C9
Gene No.	20510	Strand	-
Start	13607	End	16102
Name	OJ990820_14.0223.C9.o3.tw	Method	TBLASTX:Wheat
Start	6255	End	9598
GI	none	Score	135
Exons	6255..6431, 6256..6432, 6452..6559, 6453..6533, 6484..6534, 6577..6687, 6593..6664, 9176..9376, 9180..9362, 9326..9472, 9365..9445, 9452..9571, 9498..9572, 9530..9598		

Seq. No.	9609	Seq. ID	OJ990820_14.0223.C9
Gene No.	20510	Strand	-
Start	13607	End	16102
Name	OJ990820_14.0223.C9.o4.tm	Method	TBLASTX:Maize
Start	6327	End	9596
GI	none	Score	95
Exons	6327..6431, 6346..6432, 6378..6437, 6450..6527, 6455..6526, 6474..6560, 6475..6561, 6593..6664, 6601..6663, 9263..9481, 9282..9446, 9389..9460, 9501..9596, 9509..9595		

Seq. No.	9609	Seq. ID	OJ990820_14.0223.C9
Gene No.	20510	Strand	-
Start	13607	End	16102
Name	OJ990820_14.0223.C9.o3.np	Method	AAT/NAP
Start	13552	End	16090
GI	3445397	Score	1854
Exons	13552..13912, 13961..16090		
GI Descrip.	(AJ010166) S-domain receptor-like protein kinase [Zea mays]		

Seq. No.	9609	Seq. ID	OJ990820_14.0223.C9
Gene No.	20510	Strand	-
Start	13607	End	16102
Name	OJ990820_14.0223.C9.o6.gs	Method	GENSCAN
Start	13607	End	16102
GI	none	Score	.99
Exons	13607..16102		

Seq. No.	9609	Seq. ID	OJ990820_14.0223.C9
Gene No.	20510	Strand	-
Start	13607	End	16102
Name	OJ990820_14.0223.C9.o1.tm	Method	TBLASTX:Maize
Start	13676	End	14326
GI	none	Score	95
Exons	13676..13912, 13679..13924, 13683..13916, 13976..14326, 13992..14288		

Seq. No.	9609	Seq. ID	OJ990820_14.0223.C9
Gene No.	20510	Strand	-

Start	13607	End	16102
Name	OJ990820_14.0223.C9.o1.tc	Method	TBLASTX:Cress
Start	13679	End	15943
GI	none	Score	97
Exons	13679..13912, 13692..13910, 13991..14521, 13992..14522, 14012..14530, 14516..14629, 14520..14609, 14855..14932, 15044..15301, 15377..15430, 15581..15625, 15833..15943		

Seq. No.	9609	Seq. ID	OJ990820_14.0223.C9
Gene No.	20510	Strand	-
Start	13607	End	16102
Name	OJ990820_14.0223.C9.o3.ts	Method	TBLASTX:Soybean
Start	13760	End	14177
GI	none	Score	106
Exons	13760..13876, 13973..14137, 13980..14177		

Seq. No.	9609	Seq. ID	OJ990820_14.0223.C9
Gene No.	20510	Strand	-
Start	13607	End	16102
Name	OJ990820_14.0223.C9.o4.tw	Method	TBLASTX:Wheat
Start	14048	End	14461
GI	none	Score	120
Exons	14048..14110, 14111..14311, 14142..14327, 14330..14461		

Seq. No.	9609	Seq. ID	OJ990820_14.0223.C9
Gene No.	20510	Strand	-
Start	13607	End	16102
Name	OJ990820_14.0223.C9.o1.ts	Method	TBLASTX:Soybean
Start	14180	End	14633
GI	none	Score	103
Exons	14180..14332, 14187..14324, 14318..14626, 14330..14632, 14343..14633		

Seq. No.	9609	Seq. ID	OJ990820_14.0223.C9
Gene No.	20510	Strand	-
Start	13607	End	16102
Name	OJ990820_14.0223.C9.o2.tm	Method	TBLASTX:Maize
Start	14327	End	14626
GI	none	Score	201
Exons	14327..14521, 14331..14567, 14504..14626, 14505..14624		

Seq. No.	9609	Seq. ID	OJ990820_14.0223.C9
Gene No.	20510	Strand	-
Start	13607	End	16102
Name	OJ990820_14.0223.C9.o5.tw	Method	TBLASTX:Wheat
Start	14834	End	15232
GI	none	Score	62
Exons	14834..15025, 14835..14924, 14836..15024, 15014..15232, 15035..15226		

Seq. No.	9609	Seq. ID	OJ990820_14.0223.C9
Gene No.	20510	Strand	-
Start	13607	End	16102
Name	OJ990820_14.0223.C9.o4.ts	Method	TBLASTX:Soybean
Start	15083	End	15619
GI	none	Score	88
Exons	15083..15367, 15368..15418, 15500..15619		

Seq. No.	9609	Seq. ID	OJ990820_14.0223.C9
Gene No.	20511	Strand	
Start	17889	End	18521
Name	OJ990820_14.0223.C9.o2.tc	Method	TBLASTX:Cress
Start	17889	End	18521
GI	none	Score	169
Exons	17889..18056, 18035..18064, 18104..18427, 18132..18377, 18476..18514, 18480..18521		

Seq. No.	9610	Seq. ID	OJ990820_14.0223.C10
Gene No.	20512	Strand	+
Start	560	End	901
Name	OJ990820_14.0223.C10.o1.gs	Method	GENSCAN
Start	560	End	901
GI	none	Score	.68
Exons	560..901		

Seq. No.	9610	Seq. ID	OJ990820_14.0223.C10
Gene No.	20513	Strand	-
Start	1539	End	1850
Name	OJ990820_14.0223.C10.o2.gs	Method	GENSCAN
Start	1539	End	1742
GI	none	Score	.49
Exons	1539..1742		

Seq. No.	9610	Seq. ID	OJ990820_14.0223.C10
Gene No.	20513	Strand	-
Start	1539	End	1850
Name	OJ990820_14.0223.C10.o1.tm	Method	TBLASTX:Maize
Start	1545	End	1850
GI	none	Score	58
Exons	1545..1619, 1560..1622, 1620..1850, 1653..1757		

Seq. No.	9611	Seq. ID	OJ990820_14.0223.C11
Gene No.	20514	Strand	-
Start	1	End	887
Name	OJ990820_14.0223.C11.o1.np	Method	AAT/NAP
Start	1	End	887
GI	4056490	Score	179
Exons	1..109, 192..322, 455..569, 855..887		
GI Descrip.	(AC005896) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	9611	Seq. ID	OJ990820_14.0223.C11
Gene No.	20514	Strand	-
Start	1	End	887
Name	OJ990820_14.0223.C11.o1.gp	Method	AAT/GAP
Start	32	End	564
GI	26255_1.R1084	Score	428
Exons	32..109, 190..322, 455..564		
GI Descrip.	'4056490 5.0e-44 (AC005896) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	9611	Seq. ID	OJ990820_14.0223.C11
Gene No.	20514	Strand	-
Start	1	End	887
Name	OJ990820_14.0223.C11.o1.tm	Method	TBLASTX:Maize

Start	40	End	568
GI	none	Score	53
Exons	40..111, 43..108, 181..324, 194..346, 195..323, 257..325, 453..563, 453..563, 455..568, 455..568		

Seq. No.	9612	Seq. ID	OJ990820_14.0223.C12
Gene No.	20515	Strand	-
Start	1	End	2258
Name	OJ990820_14.0223.C12.o1.np	Method	AAT/NAP
Start	1	End	2258
GI	4056490	Score	163
Exons	1..94, 247..320, 1039..1135, 1647..1740, 2240..2258		
GI Descrip.	(AC005896) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	9613	Seq. ID	OJ990820_14.0223.C13
Gene No.	20516	Strand	-
Start	1	End	3123
Name	OJ990820_14.0223.C13.o1.np	Method	AAT/NAP
Start	1	End	828
GI	4056490	Score	228
Exons	1..213, 679..828		
GI Descrip.	(AC005896) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	9613	Seq. ID	OJ990820_14.0223.C13
Gene No.	20516	Strand	-
Start	1	End	3123
Name	OJ990820_14.0223.C13.o1.gs	Method	GENSCAN
Start	39	End	3123
GI	none	Score	.68
Exons	39..213, 566..620, 808..1090, 2708..2801, 2812..3123		

Seq. No.	9614	Seq. ID	OJ990820_14.0223.C14
Gene No.	20517	Strand	+
Start	280	End	3053
Name	OJ990820_14.0223.C14.o1.np	Method	AAT/NAP
Start	280	End	3050
GI	4914423	Score	1300
Exons	280..788, 816..1783, 1856..3050		
GI Descrip.	(AL050351) putative receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	9614	Seq. ID	OJ990820_14.0223.C14
Gene No.	20517	Strand	+
Start	280	End	3053
Name	OJ990820_14.0223.C14.o1.gs	Method	GENSCAN
Start	369	End	3053
GI	none	Score	.97
Exons	369..3053		

Seq. No.	9614	Seq. ID	OJ990820_14.0223.C14
Gene No.	20518	Strand	+
Start	3757	End	4132
Name	OJ990820_14.0223.C14.o2.gs	Method	GENSCAN
Start	3757	End	4132
GI	none	Score	.58
Exons	3757..3849, 4016..4132		

Seq. No.	9614	Seq. ID	OJ990820_14.0223.C14
Gene No.	20519	Strand	-
Start	3539	End	6387
Name	OJ990820_14.0223.C14.o1.gp	Method	AAT/GAP
Start	3539	End	3847
GI	3761206	Score	561
Exons	3539..3847		

Seq. No.	9614	Seq. ID	OJ990820_14.0223.C14
Gene No.	20519	Strand	-
Start	3539	End	6387
Name	OJ990820_14.0223.C14.o2.np	Method	AAT/NAP
Start	3666	End	5987
GI	6729501	Score	582
Exons	3666..3753, 3853..4086, 4401..4493, 4569..4759, 4898..4993, 5295..5370, 5858..5987		
GI Descrip.	(AL132966) splicing factor-like protein [Arabidopsis thaliana]		

Seq. No.	9614	Seq. ID	OJ990820_14.0223.C14
Gene No.	20519	Strand	-
Start	3539	End	6387
Name	OJ990820_14.0223.C14.o2.gp	Method	AAT/GAP
Start	4451	End	5224
GI	2800841	Score	524
Exons	4451..4492, 4572..4768, 4898..4993, 5103..5224		
GI Descrip.	4056488 2.0e-44 (AC005896) unknown protein [Arabidopsis thaliana]		

Seq. No.	9614	Seq. ID	OJ990820_14.0223.C14
Gene No.	20519	Strand	-
Start	3539	End	6387
Name	OJ990820_14.0223.C14.o3.gs	Method	GENSCAN
Start	4568	End	6387
GI	none	Score	.74
Exons	4568..4768, 4898..4993, 5103..5142, 5878..6011, 6059..6119, 6248..6387		

Seq. No.	9614	Seq. ID	OJ990820_14.0223.C14
Gene No.	20520	Strand	-
Start	6571	End	6625
Name	OJ990820_14.0223.C14.o3.ts	Method	TBLASTX:Soybean
Start	1041	End	1484
GI	none	Score	105
Exons	1041..1244, 1287..1466, 1290..1445, 1449..1484		

Seq. No.	9614	Seq. ID	OJ990820_14.0223.C14
Gene No.	20520	Strand	-
Start	6571	End	6625
Name	OJ990820_14.0223.C14.o3.tm	Method	TBLASTX:Maize
Start	1044	End	1493
GI	none	Score	111
Exons	1044..1250, 1287..1481, 1290..1493		

Seq. No.	9614	Seq. ID	OJ990820_14.0223.C14
Gene No.	20520	Strand	-
Start	6571	End	6625
Name	OJ990820_14.0223.C14.o1.tm	Method	TBLASTX:Maize

Start	1949	End	2846
GI	none	Score	314
Exons	1949..2179, 1950..2249, 1986..2222, 2283..2846, 2294..2839		

Seq. No.	9614	Seq. ID	OJ990820_14.0223.C14
Gene No.	20520	Strand	-
Start	6571	End	6625
Name	OJ990820_14.0223.C14.o1.ts	Method	TBLASTX:Soybean
Start	1950	End	2840
GI	none	Score	341
Exons	1950..2249, 1958..2137, 2124..2219, 2283..2840, 2288..2839		

Seq. No.	9614	Seq. ID	OJ990820_14.0223.C14
Gene No.	20520	Strand	-
Start	6571	End	6625
Name	OJ990820_14.0223.C14.o3.tc	Method	TBLASTX:Cress
Start	1968	End	2177
GI	none	Score	82
Exons	1968..2060, 1973..2062, 2057..2137, 2058..2177		

Seq. No.	9614	Seq. ID	OJ990820_14.0223.C14
Gene No.	20520	Strand	-
Start	6571	End	6625
Name	OJ990820_14.0223.C14.o1.tw	Method	TBLASTX:Wheat
Start	2003	End	2440
GI	none	Score	59
Exons	2003..2032, 2004..2060, 2057..2248, 2058..2249, 2282..2440, 2283..2438		

Seq. No.	9614	Seq. ID	OJ990820_14.0223.C14
Gene No.	20520	Strand	-
Start	6571	End	6625
Name	OJ990820_14.0223.C14.o1.tc	Method	TBLASTX:Cress
Start	2178	End	2657
GI	none	Score	80
Exons	2178..2222, 2181..2249, 2282..2650, 2283..2657		

Seq. No.	9614	Seq. ID	OJ990820_14.0223.C14
Gene No.	20520	Strand	-
Start	6571	End	6625
Name	OJ990820_14.0223.C14.o2.tw	Method	TBLASTX:Wheat
Start	2442	End	2651
GI	none	Score	203
Exons	2442..2651, 2444..2647		

Seq. No.	9614	Seq. ID	OJ990820_14.0223.C14
Gene No.	20520	Strand	-
Start	6571	End	6625
Name	OJ990820_14.0223.C14.o2.ts	Method	TBLASTX:Soybean
Start	3660	End	5960
GI	none	Score	119
Exons	3660..3764, 4559..4741, 4563..4751, 4580..4750, 4893..4979, 4898..4990, 4898..4993, 5095..5166, 5103..5150, 5877..5960		

Seq. No.	9614	Seq. ID	OJ990820_14.0223.C14
Gene No.	20520	Strand	-
Start	6571	End	6625

Name	OJ990820_14.0223.C14.o2.tm	Method	TBLASTX:Maize
Start	3661	End	5960
GI	none	Score	42
Exons	3661..3690, 3663..3743, 3719..3739, 3726..3755, 3804..3905, 3815..3904, 4016..4057, 4019..4060, 4572..4769, 4572..4673, 4577..4768, 4872..4973, 4895..4993, 4896..4934, 4897..4962, 4898..4993, 5103..5150, 5877..5960		

Seq. No.	9614	Seq. ID	OJ990820_14.0223.C14
Gene No.	20520	Strand	-
Start	6571	End	6625
Name	OJ990820_14.0223.C14.o2.tc	Method	TBLASTX:Cress
Start	4581	End	5960
GI	none	Score	226
Exons	4581..4757, 4583..4759, 4583..4756, 4898..4993, 4910..4993, 4921..5013, 5100..5147, 5102..5143, 5104..5154, 5877..5960		

Seq. No.	9614	Seq. ID	OJ990820_14.0223.C14
Gene No.	20520	Strand	-
Start	6571	End	6625
Name	OJ990820_14.0223.C14.o3.gp	Method	AAT/GAP
Start	6571	End	6625
GI	LIB3431-030-P1-N1-G8	Score	84
Exons	6571..6625		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	9615	Seq. ID	OJ990820_14.0223.C15
Gene No.	20521	Strand	-
Start	431	End	989
Name	OJ990820_14.0223.C15.o1.gs	Method	GENSCAN
Start	431	End	989
GI	none	Score	.82
Exons	431..583, 669..863, 901..989		

Seq. No.	9616	Seq. ID	OJ990820_14.0223.C16
Gene No.	20522	Strand	-
Start	1	End	5146
Name	OJ990820_14.0223.C16.o1.gp	Method	AAT/GAP
Start	1	End	2107
GI	LIB3433-020-P1-K1-A6	Score	494
Exons	1..243, 2065..2107		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 2.0e-35 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	9616	Seq. ID	OJ990820_14.0223.C16
Gene No.	20522	Strand	-
Start	1	End	5146
Name	OJ990820_14.0223.C16.o1.np	Method	AAT/NAP
Start	1	End	5035
GI	5441880	Score	2582
Exons	1..61, 541..797, 902..1200, 1780..2113, 2222..2361, 2964..3289, 3548..3579, 4024..5035		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	9616	Seq. ID	OJ990820_14.0223.C16
Gene No.	20522	Strand	-
Start	1	End	5146
Name	OJ990820_14.0223.C16.o1.gs	Method	GENSCAN
Start	188	End	5146
GI	none	Score	.77
Exons	188..289, 336..443, 536..626, 902..1200, 1281..1399, 1472..1694, 1780..2146, 2222..2375, 2843..3097, 3367..5146		

Seq. No.	9616	Seq. ID	OJ990820_14.0223.C16
Gene No.	20522	Strand	-
Start	1	End	5146
Name	OJ990820_14.0223.C16.o2.tw	Method	TBLASTX:Wheat
Start	1626	End	2055
GI	none	Score	108
Exons	1626..1700, 1873..1992, 1874..1993, 1991..2041, 2002..2055		

Seq. No.	9616	Seq. ID	OJ990820_14.0223.C16
Gene No.	20522	Strand	-
Start	1	End	5146
Name	OJ990820_14.0223.C16.o1.tw	Method	TBLASTX:Wheat
Start	3797	End	4174
GI	none	Score	65
Exons	3797..3970, 3808..3948, 3903..3971, 3995..4171, 4020..4172, 4025..4174		

Seq. No.	9616	Seq. ID	OJ990820_14.0223.C16
Gene No.	20522	Strand	-
Start	1	End	5146
Name	OJ990820_14.0223.C16.o1.tm	Method	TBLASTX:Maize
Start	3872	End	4468
GI	none	Score	228
Exons	3872..3943, 3990..4463, 4001..4468		

Seq. No.	9617	Seq. ID	OJ990820_14.0223.C18
Gene No.	20523	Strand	+
Start	4	End	954
Name	OJ990820_14.0223.C18.o1.gp	Method	AAT/GAP
Start	4	End	885
GI	none	Score	611
Exons	4..39, 220..516, 854..885		

Seq. No.	9617	Seq. ID	OJ990820_14.0223.C18
Gene No.	20523	Strand	+
Start	4	End	954
Name	OJ990820_14.0223.C18.o1.gs	Method	GENSCAN
Start	243	End	954
GI	none	Score	.66
Exons	243..516, 854..954		

Seq. No.	9617	Seq. ID	OJ990820_14.0223.C18
Gene No.	20523	Strand	+
Start	4	End	954
Name	OJ990820_14.0223.C18.o1.np	Method	AAT/NAP
Start	339	End	493
GI	2129603	Score	94
Exons	339..493		

GI Descrip.	glycine/proline-rich protein - Arabidopsis thaliana gi|1465364|emb|CAA59059| (X84315) GPRP [Arabidopsis thaliana]		
Seq. No.	9617	Seq. ID	OJ990820_14.0223.C18
Gene No.	20524	Strand	+
Start	1972	End	3203
Name	OJ990820_14.0223.C18.o2.gs	Method	GENSCAN
Start	1972	End	3203
GI	none	Score	.66
Exons	1972..2031, 2253..2423, 2957..3203		
Seq. No.	9617	Seq. ID	OJ990820_14.0223.C18
Gene No.	20525	Strand	-
Start	1	End	2456
Name	OJ990820_14.0223.C18.o2.np	Method	AAT/NAP
Start	1	End	2456
GI	5922623	Score	181
Exons	1..34, 1592..1668, 1836..1980, 2382..2456		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		
Seq. No.	9618	Seq. ID	OJ990820_14.0223.C19
Gene No.	20526	Strand	+
Start	3284	End	3375
Name	OJ990820_14.0223.C19.o1.gp	Method	AAT/GAP
Start	3284	End	3375
GI	uC-osflcyp082b07a1	Score	140
Exons	3284..3375		
GI Descrip.	'218221/dbj|D10675|RICSINE1R6 3.0e-30 Oryza sativa p-SINE1-r6 gene, repeat sequence'		
Seq. No.	9618	Seq. ID	OJ990820_14.0223.C19
Gene No.	20527	Strand	-
Start	280	End	3761
Name	OJ990820_14.0223.C19.o1.gs	Method	GENSCAN
Start	280	End	3761
GI	none	Score	.77
Exons	280..401, 518..643, 1019..1235, 1350..1545, 2059..2101, 2483..2657, 3492..3603, 3668..3761		
Seq. No.	9618	Seq. ID	OJ990820_14.0223.C19
Gene No.	20527	Strand	-
Start	280	End	3761
Name	OJ990820_14.0223.C19.o1.np	Method	AAT/NAP
Start	1099	End	1836
GI	6682239	Score	257
Exons	1099..1235, 1350..1509, 1763..1836		
GI Descrip.	(AC016661) putative MYB-related protein [Arabidopsis thaliana]		
Seq. No.	9618	Seq. ID	OJ990820_14.0223.C19
Gene No.	20527	Strand	-
Start	280	End	3761
Name	OJ990820_14.0223.C19.o1.tm	Method	TBLASTX:Maize
Start	1140	End	1509
GI	none	Score	119
Exons	1140..1241, 1141..1242, 1314..1508, 1336..1509, 1360..1509		

Seq. No.	9618	Seq. ID	OJ990820_14.0223.C19
Gene No.	20527	Strand	-
Start	280	End	3761
Name	OJ990820_14.0223.C19.o1.tc	Method	TBLASTX:Cress
Start	1173	End	1493
GI	none	Score	66
Exons	1173..1241, 1341..1493, 1360..1485		

Seq. No.	9618	Seq. ID	OJ990820_14.0223.C19
Gene No.	20527	Strand	-
Start	280	End	3761
Name	OJ990820_14.0223.C19.o1.ts	Method	TBLASTX:Soybean
Start	1200	End	1493
GI	none	Score	60
Exons	1200..1241, 1341..1493, 1360..1407		

Seq. No.	9619	Seq. ID	OJ990820_14.0223.C20
Gene No.	20528	Strand	+
Start	337	End	467
Name	OJ990820_14.0223.C20.o1.gs	Method	GENSCAN
Start	337	End	467
GI	none	Score	.96
Exons	337..467		

Seq. No.	9620	Seq. ID	OJ990820_14.0223.C21
Gene No.	20529	Strand	-
Start	1	End	1245
Name	OJ990820_14.0223.C21.o1.np	Method	AAT/NAP
Start	1	End	1245
GI	5902444	Score	1878
Exons	1..1245		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	9620	Seq. ID	OJ990820_14.0223.C21
Gene No.	20529	Strand	-
Start	1	End	1245
Name	OJ990820_14.0223.C21.o1.tw	Method	TBLASTX:Wheat
Start	333	End	735
GI	none	Score	113
Exons	333..734, 427..735		

Seq. No.	9621	Seq. ID	OJ990820_14.0223.C22
Gene No.	20530	Strand	-
Start	1	End	442
Name	OJ990820_14.0223.C22.o1.np	Method	AAT/NAP
Start	1	End	442
GI	5902444	Score	486
Exons	1..442		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	9621	Seq. ID	OJ990820_14.0223.C22
Gene No.	20530	Strand	-
Start	1	End	442
Name	OJ990820_14.0223.C22.o1.gs	Method	GENSCAN
Start	50	End	442
GI	none	Score	.92

Exons	50..442		
Seq. No.	9621	Seq. ID	OJ990820_14.0223.C22
Gene No.	20531	Strand	-
Start	2417	End	3257
Name	OJ990820_14.0223.C22.o2.gs	Method	GENSCAN
Start	2417	End	3257
GI	none	Score	.84
Exons	2417..2524, 2640..3257		
Seq. No.	9622	Seq. ID	OJ990820_14.0223.C24
Gene No.	20532	Strand	+
Start	215	End	306
Name	OJ990820_14.0223.C24.o1.gs	Method	GENSCAN
Start	215	End	306
GI	none	Score	.84
Exons	215..306		
Seq. No.	9622	Seq. ID	OJ990820_14.0223.C24
Gene No.	20533	Strand	-
Start	1035	End	1895
Name	OJ990820_14.0223.C24.o1.gp	Method	AAT/GAP
Start	804	End	1152
GI	3761717	Score	603
Exons	804..1152		
Seq. No.	9622	Seq. ID	OJ990820_14.0223.C24
Gene No.	20533	Strand	-
Start	1035	End	1895
Name	OJ990820_14.0223.C24.o2.gs	Method	GENSCAN
Start	1035	End	1843
GI	none	Score	.67
Exons	1035..1136, 1235..1843		
Seq. No.	9622	Seq. ID	OJ990820_14.0223.C24
Gene No.	20533	Strand	-
Start	1035	End	1895
Name	OJ990820_14.0223.C24.o2.gp	Method	AAT/GAP
Start	1516	End	1895
GI	3761716	Score	724
Exons	1516..1895		
Seq. No.	9623	Seq. ID	OJ990820_14.0223.C25
Gene No.	20534	Strand	+
Start	144	End	995
Name	OJ990820_14.0223.C25.o1.gs	Method	GENSCAN
Start	144	End	995
GI	none	Score	.56
Exons	144..184, 390..527, 912..995		
Seq. No.	9623	Seq. ID	OJ990820_14.0223.C25
Gene No.	20535	Strand	-
Start	884	End	964
Name	OJ990820_14.0223.C25.o1.gp	Method	AAT/GAP
Start	884	End	964
GI	3761716	Score	130
Exons	884..964		

Seq. No.	9624	Seq. ID	OJ990820_14.0223.C26
Gene No.	20536	Strand	+
Start	90	End	3132
Name	OJ990820_14.0223.C26.o1.gs	Method	GENSCAN
Start	90	End	2405
GI	none	Score	.62
Exons	90..429, 545..605, 1735..1800, 1854..1955, 2320..2405		

Seq. No.	9624	Seq. ID	OJ990820_14.0223.C26
Gene No.	20536	Strand	+
Start	90	End	3132
Name	OJ990820_14.0223.C26.o1.np	Method	AAT/NAP
Start	996	End	3132
GI	6063554	Score	106
Exons	996..1024, 1710..1900, 2957..3132		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	9624	Seq. ID	OJ990820_14.0223.C26
Gene No.	20537	Strand	-
Start	1	End	3579
Name	OJ990820_14.0223.C26.o2.np	Method	AAT/NAP
Start	1	End	3579
GI	5042454	Score	94
Exons	1..219, 1777..2082, 3354..3579		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	9625	Seq. ID	OJ990820_14.0223.C27
Gene No.	20538	Strand	+
Start	125	End	707
Name	OJ990820_14.0223.C27.o1.gs	Method	GENSCAN
Start	125	End	707
GI	none	Score	.86
Exons	125..199, 624..707		

Seq. No.	9625	Seq. ID	OJ990820_14.0223.C27
Gene No.	20539	Strand	+
Start	1242	End	4442
Name	OJ990820_14.0223.C27.o1.np	Method	AAT/NAP
Start	1242	End	4439
GI	6907089	Score	4107
Exons	1242..2503, 2603..4439		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	9625	Seq. ID	OJ990820_14.0223.C27
Gene No.	20539	Strand	+
Start	1242	End	4442
Name	OJ990820_14.0223.C27.o2.gs	Method	GENSCAN
Start	1242	End	4442
GI	none	Score	.82
Exons	1242..4442		

Seq. No.	9625	Seq. ID	OJ990820_14.0223.C27
Gene No.	20540	Strand	-
Start	330	End	6950

Name	OJ990820_14.0223.C27.o2.np	Method	AAT/NAP
Start	330	End	6759
GI	6498441	Score	2698
Exons	330..531, 4522..4838, 4902..5365, 5696..6759		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	9625	Seq. ID	OJ990820_14.0223.C27
Gene No.	20540	Strand	-
Start	330	End	6950
Name	OJ990820_14.0223.C27.o3.np	Method	AAT/NAP
Start	3734	End	6950
GI	5042454	Score	1862
Exons	3734..4045, 4220..4415, 4859..5044, 5654..5765, 5861..6950		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	9625	Seq. ID	OJ990820_14.0223.C27
Gene No.	20540	Strand	-
Start	330	End	6950
Name	OJ990820_14.0223.C27.o2.tm	Method	TBLASTX:Maize
Start	4527	End	4700
GI	none	Score	125
Exons	4527..4700, 4528..4665		

Seq. No.	9625	Seq. ID	OJ990820_14.0223.C27
Gene No.	20540	Strand	-
Start	330	End	6950
Name	OJ990820_14.0223.C27.o3.tw	Method	TBLASTX:Wheat
Start	4527	End	4709
GI	none	Score	133
Exons	4527..4709, 4528..4707		

Seq. No.	9625	Seq. ID	OJ990820_14.0223.C27
Gene No.	20540	Strand	-
Start	330	End	6950
Name	OJ990820_14.0223.C27.o1.tw	Method	TBLASTX:Wheat
Start	4710	End	5481
GI	none	Score	153
Exons	4710..4907, 4711..4854, 4725..4907, 4998..5480, 5026..5286, 5325..5468, 5344..5481		

Seq. No.	9625	Seq. ID	OJ990820_14.0223.C27
Gene No.	20540	Strand	-
Start	330	End	6950
Name	OJ990820_14.0223.C27.o2.tw	Method	TBLASTX:Wheat
Start	6219	End	6611
GI	none	Score	83
Exons	6219..6476, 6331..6492, 6459..6557, 6460..6540, 6564..6611		

Seq. No.	9625	Seq. ID	OJ990820_14.0223.C27
Gene No.	20540	Strand	-
Start	330	End	6950
Name	OJ990820_14.0223.C27.o1.tm	Method	TBLASTX:Maize
Start	6321	End	6606
GI	none	Score	89
Exons	6321..6569, 6322..6606		

Seq. No.	9626	Seq. ID	OJ990820_14.0223.C28
Gene No.	20541	Strand	+
Start	77	End	1944
Name	OJ990820_14.0223.C28.o1.np	Method	AAT/NAP
Start	77	End	1944
GI	5922623	Score	317
Exons	77..157, 531..678, 847..922, 1727..1944		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	9626	Seq. ID	OJ990820_14.0223.C28
Gene No.	20541	Strand	+
Start	77	End	1944
Name	OJ990820_14.0223.C28.o2.np	Method	AAT/NAP
Start	77	End	922
GI	5922623	Score	319
Exons	77..157, 531..678, 847..922		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	9627	Seq. ID	OJ990820_14.0223.C29
Gene No.	20542	Strand	+
Start	99	End	688
Name	OJ990820_14.0223.C29.o1.gs	Method	GENSCAN
Start	99	End	688
GI	none	Score	.51
Exons	99..108, 205..224, 377..462, 593..688		

Seq. No.	9628	Seq. ID	OJ990730_07.0228.C1
Gene No.	20543	Strand	+
Start	1	End	636
Name	OJ990730_07.0228.C1.o1.np	Method	AAT/NAP
Start	1	End	636
GI	4680183	Score	927
Exons	1..636		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	9628	Seq. ID	OJ990730_07.0228.C1
Gene No.	20543	Strand	+
Start	1	End	636
Name	OJ990730_07.0228.C1.o1.tw	Method	TBLASTX:Wheat
Start	74	End	408
GI	none	Score	83
Exons	74..154, 130..408		

Seq. No.	9628	Seq. ID	OJ990730_07.0228.C1
Gene No.	20543	Strand	+
Start	1	End	636
Name	OJ990730_07.0228.C1.o1.gs	Method	GENSCAN
Start	164	End	490
GI	none	Score	.7
Exons	164..490		

Seq. No.	9629	Seq. ID	OJ990730_07.0228.C5

Gene No.	20544	Strand	+
Start	1	End	2320
Name	OJ990730_07.0228.C5.o1.np	Method	AAT/NAP
Start	1	End	2320
GI	6815062	Score	731
Exons	1..519, 597..816, 867..1203, 1280..1378, 1447..1512, 1591..1903, 2211..2320		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	9629	Seq. ID	OJ990730_07.0228.C5
Gene No.	20544	Strand	+
Start	1	End	2320
Name	OJ990730_07.0228.C5.o1.tm	Method	TBLASTX:Maize
Start	238	End	1203
GI	none	Score	67
Exons	238..375, 239..364, 241..375, 267..377, 488..514, 609..719, 701..817, 718..816, 894..980, 1018..1203		

Seq. No.	9629	Seq. ID	OJ990730_07.0228.C5
Gene No.	20544	Strand	+
Start	1	End	2320
Name	OJ990730_07.0228.C5.o1.gs	Method	GENSCAN
Start	973	End	1811
GI	none	Score	.8
Exons	973..1203, 1280..1378, 1639..1811		

Seq. No.	9630	Seq. ID	OJ990730_07.0228.C6
Gene No.	20545	Strand	+
Start	1	End	345
Name	OJ990730_07.0228.C6.o1.np	Method	AAT/NAP
Start	1	End	345
GI	3776564	Score	105
Exons	1..30, 184..345		
GI Descrip.	(AC005388) Similar to hypothetical protein T1D16.16 gi|3075397 from A. thaliana BAC gb|AC004484. [Arabidopsis thaliana]		

Seq. No.	9630	Seq. ID	OJ990730_07.0228.C6
Gene No.	20546	Strand	-
Start	1384	End	1599
Name	OJ990730_07.0228.C6.o1.gs	Method	GENSCAN
Start	1384	End	1599
GI	none	Score	.77
Exons	1384..1599		

Seq. No.	9631	Seq. ID	OJ990730_07.0228.C7
Gene No.	20547	Strand	+
Start	129	End	167
Name	OJ990730_07.0228.C7.o1.gs	Method	GENSCAN
Start	129	End	167
GI	none	Score	.51
Exons	129..167		

Seq. No.	9632	Seq. ID	OJ990730_07.0228.C9
Gene No.	20548	Strand	+
Start	60	End	118

Name	OJ990730_07.0228.C9.o1.gs	Method	GENSCAN
Start	60	End	118
GI	none	Score	.48
Exons	60..118		

Seq. No.	9633	Seq. ID	OJ990730_07.0228.C10
Gene No.	20549	Strand	-
Start	892	End	5399
Name	OJ990730_07.0228.C10.o2.np	Method	AAT/NAP
Start	892	End	4945
GI	4680203	Score	1459
Exons	892..931, 1729..2568, 2845..3072, 3229..4945		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	9633	Seq. ID	OJ990730_07.0228.C10
Gene No.	20549	Strand	-
Start	892	End	5399
Name	OJ990730_07.0228.C10.o1.tw	Method	TBLASTX:Wheat
Start	1822	End	2955
GI	none	Score	40
Exons	1822..1923, 1871..1921, 1952..2023, 1954..2043, 2020..2220, 2048..2179, 2242..2955, 2267..2383, 2423..2722, 2554..2724, 2771..2905		

Seq. No.	9633	Seq. ID	OJ990730_07.0228.C10
Gene No.	20549	Strand	-
Start	892	End	5399
Name	OJ990730_07.0228.C10.o3.tm	Method	TBLASTX:Maize
Start	2054	End	2346
GI	none	Score	82
Exons	2054..2164, 2056..2172, 2170..2346, 2171..2329		

Seq. No.	9633	Seq. ID	OJ990730_07.0228.C10
Gene No.	20549	Strand	-
Start	892	End	5399
Name	OJ990730_07.0228.C10.o1.tc	Method	TBLASTX:Cress
Start	2242	End	2664
GI	none	Score	52
Exons	2242..2664, 2267..2383, 2423..2656		

Seq. No.	9633	Seq. ID	OJ990730_07.0228.C10
Gene No.	20549	Strand	-
Start	892	End	5399
Name	OJ990730_07.0228.C10.o1.np	Method	AAT/NAP
Start	2476	End	5399
GI	5911167	Score	1220
Exons	2476..4107, 4135..4372, 5358..5399		
GI Descrip.	(AF136221) putative transposase protein [Zea mays]		

Seq. No.	9633	Seq. ID	OJ990730_07.0228.C10
Gene No.	20549	Strand	-
Start	892	End	5399
Name	OJ990730_07.0228.C10.o1.tm	Method	TBLASTX:Maize
Start	2596	End	2979
GI	none	Score	205
Exons	2596..2910, 2597..2902, 2911..2979		

Seq. No.	9633	Seq. ID	OJ990730_07.0228.C10
Gene No.	20549	Strand	-
Start	892	End	5399
Name	OJ990730_07.0228.C10.o2.tc	Method	TBLASTX:Cress
Start	3784	End	4113
GI	none	Score	63
Exons	3784..4113, 3821..3928, 3962..4012		

Seq. No.	9633	Seq. ID	OJ990730_07.0228.C10
Gene No.	20549	Strand	-
Start	892	End	5399
Name	OJ990730_07.0228.C10.o2.tm	Method	TBLASTX:Maize
Start	3786	End	4003
GI	none	Score	106
Exons	3786..3992, 3786..3974, 3787..3993, 3787..3993, 3797..4003		

Seq. No.	9633	Seq. ID	OJ990730_07.0228.C10
Gene No.	20549	Strand	-
Start	892	End	5399
Name	OJ990730_07.0228.C10.o1.ts	Method	TBLASTX:Soybean
Start	3847	End	4290
GI	none	Score	134
Exons	3847..4086, 3848..4087, 4168..4290		

Seq. No.	9633	Seq. ID	OJ990730_07.0228.C10
Gene No.	20549	Strand	-
Start	892	End	5399
Name	OJ990730_07.0228.C10.o2.tw	Method	TBLASTX:Wheat
Start	3880	End	4387
GI	none	Score	51
Exons	3880..3987, 3881..3970, 3991..4104, 4006..4098, 4168..4386, 4193..4387		

Seq. No.	9634	Seq. ID	OJ990730_07.0228.C11
Gene No.	20550	Strand	+
Start	793	End	11159
Name	OJ990730_07.0228.C11.o1.gs	Method	GENSCAN
Start	793	End	11159
GI	none	Score	.54
Exons	793..921, 3536..3665, 4141..4249, 4330..4372, 4748..4909, 4999..5185, 5311..5596, 5723..5814, 5967..6686, 6938..7377, 7441..7783, 7912..8646, 8661..10973, 11101..11159		

Seq. No.	9634	Seq. ID	OJ990730_07.0228.C11
Gene No.	20550	Strand	+
Start	793	End	11159
Name	OJ990730_07.0228.C11.o1.np	Method	AAT/NAP
Start	803	End	2611
GI	6721512	Score	141
Exons	803..921, 949..1083, 2563..2611		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	9634	Seq. ID	OJ990730_07.0228.C11
Gene No.	20550	Strand	+
Start	793	End	11159
Name	OJ990730_07.0228.C11.o2.np	Method	AAT/NAP
Start	5521	End	10971

GI	6498441	Score	7036
Exons	5521..6584, 6914..7377, 7441..7814, 7997..8131, 8306..9028, 9200..10597, 10691..10971		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	9634	Seq. ID	OJ990730_07.0228.C11
Gene No.	20551	Strand	-
Start	11634	End	12297
Name	OJ990730_07.0228.C11.o7.tw	Method	TBLASTX:Wheat
Start	5724	End	6061
GI	none	Score	115
Exons	5724..5822, 5741..5821, 5798..5989, 5837..6061, 5839..6027		

Seq. No.	9634	Seq. ID	OJ990730_07.0228.C11
Gene No.	20551	Strand	-
Start	11634	End	12297
Name	OJ990730_07.0228.C11.o3.tw	Method	TBLASTX:Wheat
Start	6798	End	7284
GI	none	Score	409
Exons	6798..6935, 6799..7284, 6993..7280		

Seq. No.	9634	Seq. ID	OJ990730_07.0228.C11
Gene No.	20551	Strand	-
Start	11634	End	12297
Name	OJ990730_07.0228.C11.o1.tw	Method	TBLASTX:Wheat
Start	7448	End	7906
GI	none	Score	102
Exons	7448..7669, 7449..7898, 7450..7899, 7450..7905, 7664..7906, 7721..7906		

Seq. No.	9634	Seq. ID	OJ990730_07.0228.C11
Gene No.	20551	Strand	-
Start	11634	End	12297
Name	OJ990730_07.0228.C11.o3.ts	Method	TBLASTX:Soybean
Start	7489	End	7854
GI	none	Score	117
Exons	7489..7713, 7720..7854		

Seq. No.	9634	Seq. ID	OJ990730_07.0228.C11
Gene No.	20551	Strand	-
Start	11634	End	12297
Name	OJ990730_07.0228.C11.o2.tm	Method	TBLASTX:Maize
Start	7579	End	7934
GI	none	Score	334
Exons	7579..7884, 7614..7883, 7700..7885, 7886..7924, 7890..7934		

Seq. No.	9634	Seq. ID	OJ990730_07.0228.C11
Gene No.	20551	Strand	-
Start	11634	End	12297
Name	OJ990730_07.0228.C11.o1.tm	Method	TBLASTX:Maize
Start	7961	End	8345
GI	none	Score	359
Exons	7961..8326, 7962..8345		

Seq. No.	9634	Seq. ID	OJ990730_07.0228.C11

Gene No.	20551	Strand	-
Start	11634	End	12297
Name	OJ990730_07.0228.C11.o2.tw	Method	TBLASTX:Wheat
Start	8018	End	8443
GI	none	Score	485
Exons	8018..8443, 8019..8441		

Seq. No.	9634	Seq. ID	OJ990730_07.0228.C11
Gene No.	20551	Strand	-
Start	11634	End	12297
Name	OJ990730_07.0228.C11.o1.ts	Method	TBLASTX:Soybean
Start	8097	End	8468
GI	none	Score	268
Exons	8097..8468, 8114..8257		

Seq. No.	9634	Seq. ID	OJ990730_07.0228.C11
Gene No.	20551	Strand	-
Start	11634	End	12297
Name	OJ990730_07.0228.C11.o5.tw	Method	TBLASTX:Wheat
Start	8876	End	9334
GI	none	Score	236
Exons	8876..9130, 8900..9151, 8965..9141, 9185..9334		

Seq. No.	9634	Seq. ID	OJ990730_07.0228.C11
Gene No.	20551	Strand	-
Start	11634	End	12297
Name	OJ990730_07.0228.C11.o2.ts	Method	TBLASTX:Soybean
Start	9023	End	9589
GI	5666795	Score	68
Exons	9023..9121, 9197..9334, 9350..9589		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	9634	Seq. ID	OJ990730_07.0228.C11
Gene No.	20551	Strand	-
Start	11634	End	12297
Name	OJ990730_07.0228.C11.o8.tw	Method	TBLASTX:Wheat
Start	9337	End	9649
GI	none	Score	230
Exons	9337..9513, 9341..9649		

Seq. No.	9634	Seq. ID	OJ990730_07.0228.C11
Gene No.	20551	Strand	-
Start	11634	End	12297
Name	OJ990730_07.0228.C11.o3.tm	Method	TBLASTX:Maize
Start	9842	End	10185
GI	none	Score	354
Exons	9842..10165, 9859..10152, 9962..10174, 10051..10185		

Seq. No.	9634	Seq. ID	OJ990730_07.0228.C11
Gene No.	20551	Strand	-
Start	11634	End	12297
Name	OJ990730_07.0228.C11.o4.tw	Method	TBLASTX:Wheat
Start	9845	End	10234
GI	none	Score	367
Exons	9845..10234, 9868..10161		

Seq. No.	9634	Seq. ID	OJ990730_07.0228.C11

Gene No.	20551	Strand	-
Start	11634	End	12297
Name	OJ990730_07.0228.C11.o6.tw	Method	TBLASTX:Wheat
Start	10352	End	10962
GI	none	Score	270
Exons	10352..10558, 10355..10645, 10387..10644, 10837..10863, 10838..10867, 10890..10958, 10891..10962		

Seq. No.	9634	Seq. ID	OJ990730_07.0228.C11
Gene No.	20551	Strand	-
Start	11634	End	12297
Name	OJ990730_07.0228.C11.o2.gs	Method	GENSCAN
Start	11634	End	12175
GI	none	Score	.91
Exons	11634..12175		

Seq. No.	9634	Seq. ID	OJ990730_07.0228.C11
Gene No.	20551	Strand	-
Start	11634	End	12297
Name	OJ990730_07.0228.C11.o3.np	Method	AAT/NAP
Start	11634	End	12297
GI	6539586	Score	979
Exons	11634..12297		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	9635	Seq. ID	OJ990730_07.0228.C12
Gene No.	20552	Strand	-
Start	1	End	2022
Name	OJ990730_07.0228.C12.o1.np	Method	AAT/NAP
Start	1	End	2022
GI	6907089	Score	2702
Exons	1..659, 762..2022		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	9635	Seq. ID	OJ990730_07.0228.C12
Gene No.	20552	Strand	-
Start	1	End	2022
Name	OJ990730_07.0228.C12.o1.gs	Method	GENSCAN
Start	33	End	2022
GI	none	Score	.8
Exons	33..712, 762..2022		

Seq. No.	9636	Seq. ID	OJ990730_07.0228.C14
Gene No.	20553	Strand	+
Start	1	End	835
Name	OJ990730_07.0228.C14.o1.np	Method	AAT/NAP
Start	1	End	835
GI	4680204	Score	43
Exons	1..84, 222..298, 705..835		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	9636	Seq. ID	OJ990730_07.0228.C14
Gene No.	20553	Strand	+
Start	1	End	835
Name	OJ990730_07.0228.C14.o1.gs	Method	GENSCAN
Start	74	End	820
GI	none	Score	.78

Exons	74..149, 192..455, 705..820		
Seq. No.	9636	Seq. ID	OJ990730_07.0228.C14
Gene No.	20554	Strand	-
Start	2622	End	6168
Name	OJ990730_07.0228.C14.o2.gs	Method	GENSCAN
Start	2622	End	4568
GI	none	Score	.83
Exons	2622..2790, 2878..3002, 3087..3353, 3742..3764, 4232..4408, 4496..4568		
Seq. No.	9636	Seq. ID	OJ990730_07.0228.C14
Gene No.	20554	Strand	-
Start	2622	End	6168
Name	OJ990730_07.0228.C14.o2.np	Method	AAT/NAP
Start	2649	End	6168
GI	3549681	Score	545
Exons	2649..2819, 2997..3353, 3742..3823, 3919..4080, 4192..4384, 4496..4596, 4661..4886, 6087..6168		
GI Descrip.	(AL031394) male sterility 2-like protein [Arabidopsis thaliana]		
Seq. No.	9636	Seq. ID	OJ990730_07.0228.C14
Gene No.	20554	Strand	-
Start	2622	End	6168
Name	OJ990730_07.0228.C14.o1.ts	Method	TBLASTX:Soybean
Start	2655	End	4122
GI	none	Score	142
Exons	2655..2714, 3087..3341, 3912..4088, 3919..4122		
Seq. No.	9636	Seq. ID	OJ990730_07.0228.C14
Gene No.	20554	Strand	-
Start	2622	End	6168
Name	OJ990730_07.0228.C14.o1.tc	Method	TBLASTX:Cress
Start	2664	End	4647
GI	none	Score	109
Exons	2664..2813, 3159..3281, 3285..3353, 3739..3825, 3901..4071, 3919..4080, 3924..4088, 4339..4386, 4341..4385, 4497..4616, 4498..4647		
Seq. No.	9636	Seq. ID	OJ990730_07.0228.C14
Gene No.	20554	Strand	-
Start	2622	End	6168
Name	OJ990730_07.0228.C14.o2.ts	Method	TBLASTX:Soybean
Start	4497	End	4896
GI	none	Score	70
Exons	4497..4598, 4498..4599, 4643..4831, 4660..4896		
Seq. No.	9636	Seq. ID	OJ990730_07.0228.C14
Gene No.	20554	Strand	-
Start	2622	End	6168
Name	OJ990730_07.0228.C14.o1.gp	Method	AAT/GAP
Start	4518	End	4864
GI	uC-osflM202062h11b1	Score	528
Exons	4518..4596, 4661..4864		
GI Descrip.	'2632129/emb|CAA10889| 9.0e-32 (AJ222589) poly(ADP-ribose) polymerase [Zea mays]'		

Seq. No.	9637	Seq. ID	OJ990730_07.0228.C15
Gene No.	20555	Strand	+
Start	1491	End	1746
Name	OJ990730_07.0228.C15.o1.gp	Method	AAT/GAP
Start	1491	End	1746
GI	61605_3.R1084	Score	359
Exons	1491..1746		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	9637	Seq. ID	OJ990730_07.0228.C15
Gene No.	20556	Strand	-
Start	277	End	1425
Name	OJ990730_07.0228.C15.o1.gs	Method	GENSCAN
Start	277	End	1425
GI	none	Score	.78
Exons	277..458, 534..610, 835..1309, 1387..1425		

Seq. No.	9638	Seq. ID	OJ990730_07.0228.C16
Gene No.	20557	Strand	+
Start	1344	End	5911
Name	OJ990730_07.0228.C16.o1.gs	Method	GENSCAN
Start	1344	End	4573
GI	none	Score	.7
Exons	1344..1496, 1727..1867, 3821..3868, 3999..4054, 4168..4573		

Seq. No.	9638	Seq. ID	OJ990730_07.0228.C16
Gene No.	20557	Strand	+
Start	1344	End	5911
Name	OJ990730_07.0228.C16.o2.np	Method	AAT/NAP
Start	3696	End	5911
GI	6063554	Score	165
Exons	3696..3949, 4217..4418, 5061..5091, 5732..5911		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	9638	Seq. ID	OJ990730_07.0228.C16
Gene No.	20558	Strand	-
Start	1	End	2201
Name	OJ990730_07.0228.C16.o1.np	Method	AAT/NAP
Start	1	End	2172
GI	6063554	Score	186
Exons	1..27, 79..243, 1446..1699, 1978..2172		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	9638	Seq. ID	OJ990730_07.0228.C16
Gene No.	20558	Strand	-
Start	1	End	2201
Name	OJ990730_07.0228.C16.o2.gp	Method	AAT/GAP
Start	1855	End	2201
GI	3061198	Score	661
Exons	1855..2201		

Seq. No.	9638	Seq. ID	OJ990730_07.0228.C16

Gene No.	20559	Strand	-
Start	5969	End	6662
Name	OJ990730_07.0228.C16.o3.gp	Method	AAT/GAP
Start	5043	End	5291
GI	101153_1.R1084	Score	350
Exons	5043..5291		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	9638	Seq. ID	OJ990730_07.0228.C16
Gene No.	20559	Strand	-
Start	5969	End	6662
Name	OJ990730_07.0228.C16.o2.gs	Method	GENSCAN
Start	5969	End	6662
GI	none	Score	.78
Exons	5969..6090, 6614..6662		

Seq. No.	9638	Seq. ID	OJ990730_07.0228.C16
Gene No.	20560	Strand	-
Start	9313	End	10183
Name	OJ990730_07.0228.C16.o3.np	Method	AAT/NAP
Start	9313	End	10183
GI	4378066	Score	545
Exons	9313..10183		
GI Descrip.	(AF098806) polyprotein [Sorghum bicolor] gi|4680208|gb|AAD27571.1|AF114171_12 (AF114171) polyprotein [Sorghum bicolor]		

Seq. No.	9638	Seq. ID	OJ990730_07.0228.C16
Gene No.	20560	Strand	-
Start	9313	End	10183
Name	OJ990730_07.0228.C16.o1.tw	Method	TBLASTX:Wheat
Start	9600	End	9899
GI	none	Score	58
Exons	9600..9689, 9621..9752, 9625..9753, 9780..9899		

Seq. No.	9638	Seq. ID	OJ990730_07.0228.C16
Gene No.	20560	Strand	-
Start	9313	End	10183
Name	OJ990730_07.0228.C16.o1.tm	Method	TBLASTX:Maize
Start	9618	End	9854
GI	none	Score	76
Exons	9618..9854, 9646..9723, 9751..9846		

Seq. No.	9638	Seq. ID	OJ990730_07.0228.C16
Gene No.	20560	Strand	-
Start	9313	End	10183
Name	OJ990730_07.0228.C16.o2.tm	Method	TBLASTX:Maize
Start	9886	End	10077
GI	none	Score	111
Exons	9886..9933, 9928..10077, 9933..10076		

Seq. No.	9639	Seq. ID	OJ990730_07.0228.C17
Gene No.	20561	Strand	-
Start	1	End	1235
Name	OJ990730_07.0228.C17.o1.np	Method	AAT/NAP
Start	1	End	1235

GI	5902445	Score	1023
Exons	1..1235		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	9639	Seq. ID	OJ990730_07.0228.C17
Gene No.	20561	Strand	-
Start	1	End	1235
Name	OJ990730_07.0228.C17.o2.tw	Method	TBLASTX:Wheat
Start	1	End	415
GI	none	Score	66
Exons	1..135, 170..415, 189..341		

Seq. No.	9639	Seq. ID	OJ990730_07.0228.C17
Gene No.	20561	Strand	-
Start	1	End	1235
Name	OJ990730_07.0228.C17.o1.ts	Method	TBLASTX:Soybean
Start	467	End	896
GI	none	Score	57
Exons	467..751, 528..701, 741..896, 754..891		

Seq. No.	9639	Seq. ID	OJ990730_07.0228.C17
Gene No.	20561	Strand	-
Start	1	End	1235
Name	OJ990730_07.0228.C17.o1.tw	Method	TBLASTX:Wheat
Start	551	End	975
GI	none	Score	55
Exons	551..760, 660..752, 741..974, 754..975		

Seq. No.	9639	Seq. ID	OJ990730_07.0228.C17
Gene No.	20561	Strand	-
Start	1	End	1235
Name	OJ990730_07.0228.C17.o1.tm	Method	TBLASTX:Maize
Start	647	End	1031
GI	none	Score	72
Exons	647..748, 660..731, 738..1031, 754..990		

Seq. No.	9639	Seq. ID	OJ990730_07.0228.C17
Gene No.	20561	Strand	-
Start	1	End	1235
Name	OJ990730_07.0228.C17.o1.gs	Method	GENSCAN
Start	687	End	1166
GI	none	Score	.59
Exons	687..1166		

Seq. No.	9639	Seq. ID	OJ990730_07.0228.C17
Gene No.	20561	Strand	-
Start	1	End	1235
Name	OJ990730_07.0228.C17.o3.tw	Method	TBLASTX:Wheat
Start	978	End	1122
GI	none	Score	67
Exons	978..1118, 978..1121, 991..1122		

Seq. No.	9640	Seq. ID	OJ990730_07.0228.C18
Gene No.	20562	Strand	+
Start	1	End	10927
Name	OJ990730_07.0228.C18.o2.np	Method	AAT/NAP
Start	1	End	10927

GI	6466937	Score	1601
Exons	1..268, 921..999, 3386..5662, 8704..9788, 10834..10927		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	9640	Seq. ID	OJ990730_07.0228.C18
Gene No.	20562	Strand	+
Start	1	End	10927
Name	OJ990730_07.0228.C18.o1.gs	Method	GENSCAN
Start	319	End	1027
GI	none	Score	.67
Exons	319..560, 930..1027		

Seq. No.	9640	Seq. ID	OJ990730_07.0228.C18
Gene No.	20562	Strand	+
Start	1	End	10927
Name	OJ990730_07.0228.C18.o2.gs	Method	GENSCAN
Start	1772	End	3230
GI	none	Score	.73
Exons	1772..1775, 2851..3230		

Seq. No.	9640	Seq. ID	OJ990730_07.0228.C18
Gene No.	20562	Strand	+
Start	1	End	10927
Name	OJ990730_07.0228.C18.o3.gs	Method	GENSCAN
Start	5090	End	7095
GI	none	Score	.57
Exons	5090..5252, 5733..6013, 6445..6590, 7014..7095		

Seq. No.	9640	Seq. ID	OJ990730_07.0228.C18
Gene No.	20563	Strand	-
Start	340	End	11237
Name	OJ990730_07.0228.C18.o1.np	Method	AAT/NAP
Start	340	End	11237
GI	5852180	Score	308
Exons	340..693, 741..760, 1764..1851, 10641..10708, 11209..11237		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	9640	Seq. ID	OJ990730_07.0228.C18
Gene No.	20563	Strand	-
Start	340	End	11237
Name	OJ990730_07.0228.C18.o1.gp	Method	AAT/GAP
Start	925	End	995
GI	uC-osroM202024h08a1	Score	81
Exons	925..995		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 5.0e-84 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	9640	Seq. ID	OJ990730_07.0228.C18
Gene No.	20563	Strand	-
Start	340	End	11237
Name	OJ990730_07.0228.C18.o2.gp	Method	AAT/GAP
Start	1136	End	1662
GI	uC-osflM202048c12b1	Score	885
Exons	1136..1662		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 2.0e-16 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	9640	Seq. ID	OJ990730_07.0228.C18
Gene No.	20563	Strand	-
Start	340	End	11237
Name	OJ990730_07.0228.C18.o3.gp	Method	AAT/GAP
Start	2133	End	2360
GI	uC-osroM202024h08a1	Score	339
Exons	2133..2360		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 5.0e-84 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	9640	Seq. ID	OJ990730_07.0228.C18
Gene No.	20563	Strand	-
Start	340	End	11237
Name	OJ990730_07.0228.C18.o3.tm	Method	TBLASTX:Maize
Start	4106	End	4561
GI	none	Score	142
Exons	4106..4291, 4285..4500, 4378..4488, 4511..4561		

Seq. No.	9640	Seq. ID	OJ990730_07.0228.C18
Gene No.	20563	Strand	-
Start	340	End	11237
Name	OJ990730_07.0228.C18.o3.tw	Method	TBLASTX:Wheat
Start	4117	End	4496
GI	none	Score	116
Exons	4117..4278, 4148..4279, 4278..4496, 4294..4482		

Seq. No.	9640	Seq. ID	OJ990730_07.0228.C18
Gene No.	20563	Strand	-
Start	340	End	11237
Name	OJ990730_07.0228.C18.o1.ts	Method	TBLASTX:Soybean
Start	4466	End	4840
GI	none	Score	268
Exons	4466..4840		

Seq. No.	9640	Seq. ID	OJ990730_07.0228.C18
Gene No.	20563	Strand	-
Start	340	End	11237
Name	OJ990730_07.0228.C18.o1.tm	Method	TBLASTX:Maize
Start	4589	End	5116
GI	none	Score	447
Exons	4589..5116, 4597..4839, 4957..5100		

Seq. No.	9640	Seq. ID	OJ990730_07.0228.C18
Gene No.	20563	Strand	-
Start	340	End	11237
Name	OJ990730_07.0228.C18.o4.tw	Method	TBLASTX:Wheat
Start	4589	End	4966
GI	none	Score	232
Exons	4589..4966		

Seq. No.	9640	Seq. ID	OJ990730_07.0228.C18
Gene No.	20563	Strand	-
Start	340	End	11237
Name	OJ990730_07.0228.C18.o5.tm	Method	TBLASTX:Maize
Start	5117	End	5529
GI	none	Score	108

Exons	5117..5248, 5119..5238, 5287..5529		
Seq. No.	9640	Seq. ID	OJ990730_07.0228.C18
Gene No.	20563	Strand	-
Start	340	End	11237
Name	OJ990730_07.0228.C18.o1.tw	Method	TBLASTX:Wheat
Start	5302	End	5649
GI	none	Score	255
Exons	5302..5649, 5434..5649		
Seq. No.	9640	Seq. ID	OJ990730_07.0228.C18
Gene No.	20563	Strand	-
Start	340	End	11237
Name	OJ990730_07.0228.C18.o4.tm	Method	TBLASTX:Maize
Start	5530	End	9131
GI	none	Score	81
Exons	5530..5646, 8711..8776, 8755..8955, 8951..9058, 9069..9131		
Seq. No.	9640	Seq. ID	OJ990730_07.0228.C18
Gene No.	20563	Strand	-
Start	340	End	11237
Name	OJ990730_07.0228.C18.o4.gs	Method	GENSCAN
Start	7330	End	10459
GI	none	Score	.63
Exons	7330..7544, 7604..7686, 7777..7877, 10205..10459		
Seq. No.	9640	Seq. ID	OJ990730_07.0228.C18
Gene No.	20563	Strand	-
Start	340	End	11237
Name	OJ990730_07.0228.C18.o2.tm	Method	TBLASTX:Maize
Start	9132	End	9783
GI	none	Score	292
Exons	9132..9542, 9242..9400, 9610..9783		
Seq. No.	9640	Seq. ID	OJ990730_07.0228.C18
Gene No.	20563	Strand	-
Start	340	End	11237
Name	OJ990730_07.0228.C18.o2.tw	Method	TBLASTX:Wheat
Start	9264	End	9578
GI	none	Score	251
Exons	9264..9578, 9272..9391, 9294..9554		
Seq. No.	9641	Seq. ID	OJ990730_07.0228.C19
Gene No.	20564	Strand	+
Start	2379	End	6991
Name	OJ990730_07.0228.C19.o1.gs	Method	GENSCAN
Start	2379	End	5317
GI	none	Score	.44
Exons	2379..2561, 3090..3147, 3178..3289, 3922..4029, 5211..5317		
Seq. No.	9641	Seq. ID	OJ990730_07.0228.C19
Gene No.	20564	Strand	+
Start	2379	End	6991
Name	OJ990730_07.0228.C19.o1.np	Method	AAT/NAP
Start	5217	End	6820
GI	6553935	Score	438
Exons	5217..5371, 5952..6820		

GI Descrip. (AC011915) putative tRNA isopentenyl transferase [Arabidopsis thaliana]

Seq. No.	9641	Seq. ID	OJ990730_07.0228.C19
Gene No.	20564	Strand	+
Start	2379	End	6991
Name	OJ990730_07.0228.C19.o2.gs	Method	GENSCAN
Start	5966	End	6991
GI	none	Score	.79
Exons	5966..6991		

Seq. No.	9641	Seq. ID	OJ990730_07.0228.C19
Gene No.	20565	Strand	+
Start	9804	End	9913
Name	OJ990730_07.0228.C19.o2.gp	Method	AAT/GAP
Start	9804	End	9913
GI	uC-osflcyp088b12b1	Score	158
Exons	9804..9913		

GI Descrip. '5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'

Seq. No.	9641	Seq. ID	OJ990730_07.0228.C19
Gene No.	20566	Strand	+
Start	11359	End	12654
Name	OJ990730_07.0228.C19.o2.np	Method	AAT/NAP
Start	11359	End	12654
GI	6815109	Score	250
Exons	11359..12105, 12277..12654		

GI Descrip. (AP001081) hypothetical protein [Oryza sativa]

Seq. No.	9641	Seq. ID	OJ990730_07.0228.C19
Gene No.	20567	Strand	-
Start	4878	End	4961
Name	OJ990730_07.0228.C19.o1.gp	Method	AAT/GAP
Start	4878	End	4961
GI	LIB3477-003-P1-K1-E9	Score	115
Exons	4878..4961		

GI Descrip. '2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'

Seq. No.	9641	Seq. ID	OJ990730_07.0228.C19
Gene No.	20568	Strand	-
Start	8980	End	15714
Name	OJ990730_07.0228.C19.o1.ts	Method	TBLASTX:Soybean
Start	5987	End	6310
GI	none	Score	193
Exons	5987..6199, 6266..6310		

Seq. No.	9641	Seq. ID	OJ990730_07.0228.C19
Gene No.	20568	Strand	-
Start	8980	End	15714
Name	OJ990730_07.0228.C19.o3.np	Method	AAT/NAP
Start	8980	End	15714
GI	4063770	Score	695
Exons	8980..9028, 13054..13532, 13650..14092, 15492..15714		

GI Descrip. (AB004906) transposase [Ipomoea purpurea]

Seq. No.	9642	Seq. ID	OJ990730_07.0228.C20
Gene No.	20569	Strand	+
Start	3557	End	4137
Name	OJ990730_07.0228.C20.o1.gp	Method	AAT/GAP
Start	3557	End	4137
GI	none	Score	1023
Exons	3557..4137		

Seq. No.	9642	Seq. ID	OJ990730_07.0228.C20
Gene No.	20570	Strand	+
Start	15165	End	17268
Name	OJ990730_07.0228.C20.o4.gs	Method	GENSCAN
Start	15165	End	17268
GI	none	Score	.51
Exons	15165..15224, 15328..15464, 15487..15563, 16405..16748, 16942..17268		

Seq. No.	9642	Seq. ID	OJ990730_07.0228.C20
Gene No.	20571	Strand	+
Start	21222	End	26803
Name	OJ990730_07.0228.C20.o2.np	Method	AAT/NAP
Start	21222	End	25855
GI	4680203	Score	3249
Exons	21222..21241, 22546..24218, 24372..24602, 24879..25855		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	9642	Seq. ID	OJ990730_07.0228.C20
Gene No.	20571	Strand	+
Start	21222	End	26803
Name	OJ990730_07.0228.C20.o3.gp	Method	AAT/GAP
Start	22098	End	22685
GI	2310235	Score	295
Exons	22098..22135, 22546..22685		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	9642	Seq. ID	OJ990730_07.0228.C20
Gene No.	20571	Strand	+
Start	21222	End	26803
Name	OJ990730_07.0228.C20.o4.gp	Method	AAT/GAP
Start	22550	End	26638
GI	342_1.R1084	Score	6653
Exons	22550..25948, 25984..26003, 26086..26182, 26292..26638		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	9642	Seq. ID	OJ990730_07.0228.C20
Gene No.	20571	Strand	+
Start	21222	End	26803
Name	OJ990730_07.0228.C20.o5.gp	Method	AAT/GAP
Start	22550	End	26640
GI	342_1.R1084	Score	6653
Exons	22550..25948, 25984..26003, 26086..26182, 26292..26640		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	9642	Seq. ID	OJ990730_07.0228.C20
Gene No.	20571	Strand	+
Start	21222	End	26803
Name	OJ990730_07.0228.C20.o8.gp	Method	AAT/GAP
Start	22710	End	26803
GI	342_1.R1084	Score	6725
Exons	22710..25948, 25984..26003, 26086..26182, 26292..26803		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	9642	Seq. ID	OJ990730_07.0228.C20
Gene No.	20571	Strand	+
Start	21222	End	26803
Name	OJ990730_07.0228.C20.o9.gp	Method	AAT/GAP
Start	22714	End	26803
GI	342_1.R1084	Score	6721
Exons	22714..25948, 25984..26003, 26086..26182, 26292..26803		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	9642	Seq. ID	OJ990730_07.0228.C20
Gene No.	20572	Strand	-
Start	1566	End	2114
Name	OJ990730_07.0228.C20.o1.gs	Method	GENSCAN
Start	1566	End	2114
GI	none	Score	.84
Exons	1566..1733, 2109..2114		

Seq. No.	9642	Seq. ID	OJ990730_07.0228.C20
Gene No.	20573	Strand	-
Start	4106	End	4930
Name	OJ990730_07.0228.C20.o1.np	Method	AAT/NAP
Start	4106	End	4857
GI	3786008	Score	259
Exons	4106..4319, 4371..4513, 4618..4857		
GI Descrip.	(AC005499) unknown protein [Arabidopsis thaliana]		

Seq. No.	9642	Seq. ID	OJ990730_07.0228.C20
Gene No.	20573	Strand	-
Start	4106	End	4930
Name	OJ990730_07.0228.C20.o2.gs	Method	GENSCAN
Start	4106	End	4857
GI	none	Score	.98
Exons	4106..4513, 4618..4857		

Seq. No.	9642	Seq. ID	OJ990730_07.0228.C20
Gene No.	20573	Strand	-
Start	4106	End	4930
Name	OJ990730_07.0228.C20.o2.gp	Method	AAT/GAP
Start	4212	End	4930
GI	11323_1.R1084	Score	1188
Exons	4212..4513, 4618..4930		
GI Descrip.	'3786008 8.0e-16 (AC005499) unknown protein [Arabidopsis thaliana]'		

Seq. No.	9642	Seq. ID	OJ990730_07.0228.C20
Gene No.	20574	Strand	-

Start	11922	End	14626
Name	OJ990730_07.0228.C20.o3.gs	Method	GENSCAN
Start	11922	End	14626
GI	none	Score	.69
Exons	11922..12117, 13618..13785, 13956..14626		

Seq. No.	9642	Seq. ID	OJ990730_07.0228.C20
Gene No.	20575	Strand	-
Start	17434	End	19472
Name	OJ990730_07.0228.C20.o5.gs	Method	GENSCAN
Start	17434	End	19472
GI	none	Score	.51
Exons	17434..17607, 17707..17769, 17900..18189, 18830..19004, 19389..19472		

Seq. No.	9642	Seq. ID	OJ990730_07.0228.C20
Gene No.	20576	Strand	-
Start	25496	End	25939
Name	OJ990730_07.0228.C20.o3.tw	Method	TBLASTX:Wheat
Start	1251	End	24484
GI	none	Score	56
Exons	1251..1358, 24074..24124, 24075..24137, 24123..24365, 24143..24325, 24154..24366, 24401..24484, 24402..24482		

Seq. No.	9642	Seq. ID	OJ990730_07.0228.C20
Gene No.	20576	Strand	-
Start	25496	End	25939
Name	OJ990730_07.0228.C20.o1.tm	Method	TBLASTX:Maize
Start	15153	End	15578
GI	none	Score	438
Exons	15153..15578, 15162..15311, 15179..15577, 15429..15578		

Seq. No.	9642	Seq. ID	OJ990730_07.0228.C20
Gene No.	20576	Strand	-
Start	25496	End	25939
Name	OJ990730_07.0228.C20.o2.tm	Method	TBLASTX:Maize
Start	15585	End	16195
GI	none	Score	370
Exons	15585..16193, 15600..15662, 15740..16195		

Seq. No.	9642	Seq. ID	OJ990730_07.0228.C20
Gene No.	20576	Strand	-
Start	25496	End	25939
Name	OJ990730_07.0228.C20.o5.tw	Method	TBLASTX:Wheat
Start	15834	End	16386
GI	none	Score	221
Exons	15834..16136, 15836..16114, 16116..16274, 16182..16232, 16351..16386		

Seq. No.	9642	Seq. ID	OJ990730_07.0228.C20
Gene No.	20576	Strand	-
Start	25496	End	25939
Name	OJ990730_07.0228.C20.o6.tm	Method	TBLASTX:Maize
Start	16259	End	16544
GI	none	Score	184
Exons	16259..16429, 16260..16430, 16443..16544		

Seq. No.	9642	Seq. ID	OJ990730_07.0228.C20
Gene No.	20576	Strand	-
Start	25496	End	25939
Name	OJ990730_07.0228.C20.o5.tm	Method	TBLASTX:Maize
Start	16763	End	17041
GI	none	Score	185
Exons	16763..16891, 16770..16901, 16883..17041		

Seq. No.	9642	Seq. ID	OJ990730_07.0228.C20
Gene No.	20576	Strand	-
Start	25496	End	25939
Name	OJ990730_07.0228.C20.o4.tw	Method	TBLASTX:Wheat
Start	22897	End	23248
GI	none	Score	103
Exons	22897..23004, 22987..23238, 22995..23237, 22997..23248		

Seq. No.	9642	Seq. ID	OJ990730_07.0228.C20
Gene No.	20576	Strand	-
Start	25496	End	25939
Name	OJ990730_07.0228.C20.o1.ts	Method	TBLASTX:Soybean
Start	23169	End	23598
GI	none	Score	102
Exons	23169..23252, 23170..23244, 23302..23598, 23356..23580		

Seq. No.	9642	Seq. ID	OJ990730_07.0228.C20
Gene No.	20576	Strand	-
Start	25496	End	25939
Name	OJ990730_07.0228.C20.o2.tc	Method	TBLASTX:Cress
Start	23331	End	23646
GI	none	Score	278
Exons	23331..23483, 23338..23646, 23523..23615		

Seq. No.	9642	Seq. ID	OJ990730_07.0228.C20
Gene No.	20576	Strand	-
Start	25496	End	25939
Name	OJ990730_07.0228.C20.o2.tw	Method	TBLASTX:Wheat
Start	23467	End	23935
GI	none	Score	72
Exons	23467..23520, 23475..23519, 23532..23621, 23533..23625, 23639..23725, 23640..23726, 23706..23930, 23726..23935, 23729..23935		

Seq. No.	9642	Seq. ID	OJ990730_07.0228.C20
Gene No.	20576	Strand	-
Start	25496	End	25939
Name	OJ990730_07.0228.C20.o3.tm	Method	TBLASTX:Maize
Start	23533	End	23969
GI	none	Score	101
Exons	23533..23646, 23640..23765, 23775..23969		

Seq. No.	9642	Seq. ID	OJ990730_07.0228.C20
Gene No.	20576	Strand	-
Start	25496	End	25939
Name	OJ990730_07.0228.C20.o2.ts	Method	TBLASTX:Soybean
Start	23799	End	24041
GI	none	Score	208
Exons	23799..24041		

Seq. No.	9642	Seq. ID	OJ990730_07.0228.C20
Gene No.	20576	Strand	-
Start	25496	End	25939
Name	OJ990730_07.0228.C20.o1.tw	Method	TBLASTX:Wheat
Start	24485	End	25801
GI	none	Score	838
Exons	24485..25216, 24486..25403, 25071..25388, 25398..25442, 25401..25442, 25445..25540, 25449..25508, 25487..25627, 25488..25628, 25520..25636, 25652..25720, 25709..25801		

Seq. No.	9642	Seq. ID	OJ990730_07.0228.C20
Gene No.	20576	Strand	-
Start	25496	End	25939
Name	OJ990730_07.0228.C20.o4.tm	Method	TBLASTX:Maize
Start	24528	End	24842
GI	none	Score	303
Exons	24528..24842, 24545..24814, 24612..24842		

Seq. No.	9642	Seq. ID	OJ990730_07.0228.C20
Gene No.	20576	Strand	-
Start	25496	End	25939
Name	OJ990730_07.0228.C20.o1.tc	Method	TBLASTX:Cress
Start	24769	End	25217
GI	none	Score	181
Exons	24769..24951, 24773..25210, 24773..25216, 24777..25217		

Seq. No.	9642	Seq. ID	OJ990730_07.0228.C20
Gene No.	20576	Strand	-
Start	25496	End	25939
Name	OJ990730_07.0228.C20.o7.gp	Method	AAT/GAP
Start	25496	End	25939
GI	LIB3431-028-P1-N1-A10	Score	769
Exons	25496..25841, 25869..25939		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	9643	Seq. ID	OJ990730_07.0228.C21
Gene No.	20577	Strand	+
Start	119	End	5077
Name	OJ990730_07.0228.C21.o1.gs	Method	GENSCAN
Start	119	End	5072
GI	none	Score	.54
Exons	119..217, 331..490, 531..705, 1434..2251, 2369..2617, 2663..2782, 2878..3019, 3145..3290, 3292..3630, 3766..3977, 4089..4250, 4359..4469, 4557..4629, 4732..4830, 4910..5072		

Seq. No.	9643	Seq. ID	OJ990730_07.0228.C21
Gene No.	20577	Strand	+
Start	119	End	5077
Name	OJ990730_07.0228.C21.o1.np	Method	AAT/NAP
Start	1346	End	5077
GI	4680204	Score	967
Exons	1346..2782, 2878..3977, 4089..4262, 4359..4507, 4872..5077		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	9643	Seq. ID	OJ990730_07.0228.C21

Gene No.	20577	Strand	+
Start	119	End	5077
Name	OJ990730_07.0228.C21.o1.tw	Method	TBLASTX:Wheat
Start	1989	End	2392
GI	none	Score	58
Exons	1989..2213, 1989..2105, 1991..2227, 1991..2185, 2092..2259, 2297..2392, 2297..2392		

Seq. No.	9643	Seq. ID	OJ990730_07.0228.C21
Gene No.	20577	Strand	+
Start	119	End	5077
Name	OJ990730_07.0228.C21.o1.gp	Method	AAT/GAP
Start	3399	End	3877
GI	uC-osflcyp176f10b1	Score	850
Exons	3399..3877		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	9643	Seq. ID	OJ990730_07.0228.C21
Gene No.	20577	Strand	+
Start	119	End	5077
Name	OJ990730_07.0228.C21.o2.tw	Method	TBLASTX:Wheat
Start	3904	End	4428
GI	none	Score	60
Exons	3904..3984, 4075..4257, 4125..4250, 4357..4428		

Seq. No.	9644	Seq. ID	OJ990730_07.0228.C22
Gene No.	20578	Strand	+
Start	6845	End	7210
Name	OJ990730_07.0228.C22.o2.gs	Method	GENSCAN
Start	6845	End	7210
GI	none	Score	.45
Exons	6845..7210		

Seq. No.	9644	Seq. ID	OJ990730_07.0228.C22
Gene No.	20579	Strand	+
Start	7808	End	13184
Name	OJ990730_07.0228.C22.o3.gs	Method	GENSCAN
Start	7808	End	13184
GI	none	Score	.84
Exons	7808..7935, 7937..8036, 8466..8727, 9068..9159, 10136..10199, 12433..12569, 12672..13184		

Seq. No.	9644	Seq. ID	OJ990730_07.0228.C22
Gene No.	20580	Strand	-
Start	61	End	212
Name	OJ990730_07.0228.C22.o1.gp	Method	AAT/GAP
Start	61	End	212
GI	21474_1.R1084	Score	185
Exons	61..212		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	9644	Seq. ID	OJ990730_07.0228.C22
Gene No.	20581	Strand	-
Start	13680	End	16673

Name	OJ990730_07.0228.C22.o4.gs	Method	GENSCAN
Start	13680	End	16673
GI	none	Score	.65
Exons	13680..14561, 15105..16673		

Seq. No.	9644	Seq. ID	OJ990730_07.0228.C22
Gene No.	20582	Strand	-
Start	17437	End	19437
Name	OJ990730_07.0228.C22.o3.tm	Method	TBLASTX:Maize
Start	12336	End	14321
GI	none	Score	57
Exons	12336..12446, 12534..12866, 14124..14231, 14253..14321		

Seq. No.	9644	Seq. ID	OJ990730_07.0228.C22
Gene No.	20582	Strand	-
Start	17437	End	19437
Name	OJ990730_07.0228.C22.o5.tw	Method	TBLASTX:Wheat
Start	12564	End	14414
GI	none	Score	67
Exons	12564..12722, 14055..14102, 14121..14225, 14122..14217, 14260..14313, 14262..14318, 14307..14414		

Seq. No.	9644	Seq. ID	OJ990730_07.0228.C22
Gene No.	20582	Strand	-
Start	17437	End	19437
Name	OJ990730_07.0228.C22.o2.tm	Method	TBLASTX:Maize
Start	14511	End	14861
GI	none	Score	94
Exons	14511..14660, 14511..14666, 14512..14664, 14667..14861, 14668..14805		

Seq. No.	9644	Seq. ID	OJ990730_07.0228.C22
Gene No.	20582	Strand	-
Start	17437	End	19437
Name	OJ990730_07.0228.C22.o1.tw	Method	TBLASTX:Wheat
Start	14523	End	15074
GI	none	Score	283
Exons	14523..14621, 14700..15074		

Seq. No.	9644	Seq. ID	OJ990730_07.0228.C22
Gene No.	20582	Strand	-
Start	17437	End	19437
Name	OJ990730_07.0228.C22.o1.tm	Method	TBLASTX:Maize
Start	14808	End	15788
GI	none	Score	164
Exons	14808..14831, 14862..15308, 14929..15300, 15351..15788, 15379..15537, 15558..15767, 15568..15774		

Seq. No.	9644	Seq. ID	OJ990730_07.0228.C22
Gene No.	20582	Strand	-
Start	17437	End	19437
Name	OJ990730_07.0228.C22.o2.tw	Method	TBLASTX:Wheat
Start	15081	End	15489
GI	none	Score	69
Exons	15081..15161, 15153..15302, 15154..15234, 15351..15488, 15352..15489		

Seq. No.	9644	Seq. ID	OJ990730_07.0228.C22
Gene No.	20582	Strand	-
Start	17437	End	19437
Name	OJ990730_07.0228.C22.o4.tw	Method	TBLASTX:Wheat
Start	15519	End	15722
GI	none	Score	103
Exons	15519..15722, 15574..15708		

Seq. No.	9644	Seq. ID	OJ990730_07.0228.C22
Gene No.	20582	Strand	-
Start	17437	End	19437
Name	OJ990730_07.0228.C22.o3.tw	Method	TBLASTX:Wheat
Start	16068	End	16346
GI	none	Score	63
Exons	16068..16346, 16093..16200		

Seq. No.	9644	Seq. ID	OJ990730_07.0228.C22
Gene No.	20582	Strand	-
Start	17437	End	19437
Name	OJ990730_07.0228.C22.o5.gs	Method	GENSCAN
Start	17437	End	19437
GI	none	Score	.99
Exons	17437..19437		

Seq. No.	9645	Seq. ID	OJ990730_07.0228.C23
Gene No.	20583	Strand	-
Start	243	End	7016
Name	OJ990730_07.0228.C23.o1.gp	Method	AAT/GAP
Start	243	End	3536
GI	22086_1.R1084	Score	2402
Exons	243..566, 663..759, 848..910, 1632..1785, 1887..2073, 2485..2789, 3036..3204, 3482..3536		
GI Descrip.	'2506139/sp|P49661|COPD_ORYSA 3.0e-09 COATOMER DELTA SUBUNIT (DELTA-COAT PROTEIN) (DELTA-COP) (ARCHAIN) >gi_1314049_emb_CAA91901_ (Z67962) archain/delta-COP [Oryza sativa]'		

Seq. No.	9645	Seq. ID	OJ990730_07.0228.C23
Gene No.	20583	Strand	-
Start	243	End	7016
Name	OJ990730_07.0228.C23.o1.tm	Method	TBLASTX:Maize
Start	288	End	4966
GI	none	Score	107
Exons	288..317, 425..568, 469..567, 474..572, 656..748, 657..770, 660..761, 661..783, 848..919, 849..902, 850..915, 1620..1799, 1631..1789, 1639..1800, 1887..2075, 1888..2073, 1889..2107, 2482..2790, 2485..2787, 2487..2795, 3037..3210, 3038..3067, 3045..3197, 3140..3205, 3479..3724, 3485..3724, 3576..3725, 4695..4781, 4695..4781, 4780..4929, 4780..4953, 4781..4966		

Seq. No.	9645	Seq. ID	OJ990730_07.0228.C23
Gene No.	20583	Strand	-
Start	243	End	7016
Name	OJ990730_07.0228.C23.o1.gs	Method	GENSCAN
Start	477	End	7016
GI	none	Score	.86
Exons	477..566, 663..759, 848..910, 1632..1785, 1887..2073,		

2485..2789, 3036..3204, 3482..3732, 5299..5338, 5885..5995, 6623..6656, 6895..7016

Seq. No.	9645	Seq. ID	OJ990730_07.0228.C23
Gene No.	20583	Strand	-
Start	243	End	7016
Name	OJ990730_07.0228.C23.o3.ts	Method	TBLASTX:Soybean
Start	477	End	919
GI	none	Score	63
Exons	477..572, 660..764, 660..761, 661..828, 848..919, 850..915		

Seq. No.	9645	Seq. ID	OJ990730_07.0228.C23
Gene No.	20583	Strand	-
Start	243	End	7016
Name	OJ990730_07.0228.C23.o1.np	Method	AAT/NAP
Start	480	End	5341
GI	2506139	Score	1865
Exons	480..566, 663..759, 848..910, 1632..1785, 1887..2073, 2485..2789, 3039..3204, 3482..3724, 4698..4922, 5299..5341		
GI Descrip.	COATOMER DELTA SUBUNIT (DELTA-COAT PROTEIN) (DELTA-COP) (ARCHAIN) gi|1314049|emb|CAA91901| (Z67962) archain/delta-COP [Oryza sativa]		

Seq. No.	9645	Seq. ID	OJ990730_07.0228.C23
Gene No.	20583	Strand	-
Start	243	End	7016
Name	OJ990730_07.0228.C23.o1.tc	Method	TBLASTX:Cress
Start	537	End	5374
GI	none	Score	84
Exons	537..572, 660..782, 661..747, 848..919, 850..915, 1620..1781, 1628..1783, 1629..1787, 1631..1789, 1888..1968, 1951..2055, 1952..2107, 2479..2625, 2482..2619, 2496..2624, 2657..2719, 2668..2718, 2722..2787, 2740..2772, 3479..3724, 3479..3745, 4675..4749, 4695..4781, 4780..4932, 4781..4918, 4826..4954, 5132..5191, 5300..5374		

Seq. No.	9645	Seq. ID	OJ990730_07.0228.C23
Gene No.	20583	Strand	-
Start	243	End	7016
Name	OJ990730_07.0228.C23.o2.ts	Method	TBLASTX:Soybean
Start	1664	End	2692
GI	none	Score	125
Exons	1664..1789, 1665..1793, 1699..1794, 1888..1956, 1951..2073, 1952..2047, 2482..2619, 2485..2628, 2633..2692		

Seq. No.	9645	Seq. ID	OJ990730_07.0228.C23
Gene No.	20583	Strand	-
Start	243	End	7016
Name	OJ990730_07.0228.C23.o1.ts	Method	TBLASTX:Soybean
Start	2692	End	4975
GI	none	Score	85
Exons	2692..2790, 2693..2794, 3479..3724, 3479..3724, 3490..3729, 3504..3728, 4695..4781, 4695..4781, 4779..4916, 4780..4974, 4781..4975		

Seq. No.	9645	Seq. ID	OJ990730_07.0228.C23
Gene No.	20583	Strand	-

Start	243	End	7016
Name	OJ990730_07.0228.C23.o2.gp	Method	AAT/GAP
Start	4756	End	5991
GI	44408_2.R1084	Score	388
Exons	4756..4922, 5299..5338, 5466..5534, 5842..5877, 5901..5991		
GI Descrip.	'2506139/sp|P49661|COPD_ORYSA 3.0e-11 COATOMER DELTA SUBUNIT (DELTA-COAT PROTEIN) (DELTA-COP) (ARCHAIN) >gi_1314049_emb_CAA91901_ (Z67962) archain/delta-COP [Oryza sativa]'		

Seq. No.	9646	Seq. ID	OJ990730_07.0228.C24
Gene No.	20584	Strand	+
Start	542	End	3049
Name	OJ990730_07.0228.C24.o1.gs	Method	GENSCAN
Start	542	End	3049
GI	none	Score	.69
Exons	542..728, 1550..1710, 2906..3049		

Seq. No.	9646	Seq. ID	OJ990730_07.0228.C24
Gene No.	20585	Strand	+
Start	17896	End	22194
Name	OJ990730_07.0228.C24.o5.gs	Method	GENSCAN
Start	17896	End	22062
GI	none	Score	.55
Exons	17896..18174, 18376..18881, 19018..19182, 19447..19578, 20442..20739, 21685..22062		

Seq. No.	9646	Seq. ID	OJ990730_07.0228.C24
Gene No.	20585	Strand	+
Start	17896	End	22194
Name	OJ990730_07.0228.C24.o10.gp	Method	AAT/GAP
Start	21633	End	21991
GI	none	Score	674
Exons	21633..21991		

Seq. No.	9646	Seq. ID	OJ990730_07.0228.C24
Gene No.	20585	Strand	+
Start	17896	End	22194
Name	OJ990730_07.0228.C24.o5.np	Method	AAT/NAP
Start	21898	End	22194
GI	6957733	Score	100
Exons	21898..21991, 22090..22194		
GI Descrip.	(AC021640) unknown protein [Arabidopsis thaliana]		

Seq. No.	9646	Seq. ID	OJ990730_07.0228.C24
Gene No.	20586	Strand	-
Start	3569	End	17393
Name	OJ990730_07.0228.C24.o1.gp	Method	AAT/GAP
Start	3569	End	3912
GI	2280555	Score	611
Exons	3569..3912		
GI Descrip.	2506139/sp|P49661|COPD_ORYSA 3.0e-09 COATOMER DELTA SUBUNIT (DELTA-COAT PROTEIN) (DELTA-COP) (ARCHAIN) >gi_1314049_emb_CAA91901_ (Z67962) archain/delta-COP [Oryza sativa]		

Seq. No.	9646	Seq. ID	OJ990730_07.0228.C24

Gene No.	20586	Strand	-
Start	3569	End	17393
Name	OJ990730_07.0228.C24.o2.gp	Method	AAT/GAP
Start	3602	End	5066
GI	22086_1.R1084	Score	1162
Exons	3602..3883, 3987..4083, 4176..4238, 4608..4761, 4872..5066		
GI Descrip.	'2506139/sp|P49661|COPD_ORYSA 3.0e-09 COATOMER DELTA SUBUNIT (DELTA-COAT PROTEIN) (DELTA-COP) (ARCHAIN) >gi_1314049_emb_CAA91901_ (Z67962) archain/delta-COP [Oryza sativa]'		

Seq. No.	9646	Seq. ID	OJ990730_07.0228.C24
Gene No.	20586	Strand	-
Start	3569	End	17393
Name	OJ990730_07.0228.C24.o3.gp	Method	AAT/GAP
Start	3694	End	5064
GI	22086_1.R1084	Score	1028
Exons	3694..3883, 3987..4083, 4176..4238, 4608..4761, 4872..5064		
GI Descrip.	'2506139/sp|P49661|COPD_ORYSA 3.0e-09 COATOMER DELTA SUBUNIT (DELTA-COAT PROTEIN) (DELTA-COP) (ARCHAIN) >gi_1314049_emb_CAA91901_ (Z67962) archain/delta-COP [Oryza sativa]'		

Seq. No.	9646	Seq. ID	OJ990730_07.0228.C24
Gene No.	20586	Strand	-
Start	3569	End	17393
Name	OJ990730_07.0228.C24.o2.gs	Method	GENSCAN
Start	3794	End	8481
GI	none	Score	.84
Exons	3794..3883, 3987..4083, 4176..4238, 4608..4761, 4872..5058, 5510..5814, 6070..6238, 6507..6700, 7759..7798, 7919..7982, 8245..8416, 8469..8481		

Seq. No.	9646	Seq. ID	OJ990730_07.0228.C24
Gene No.	20586	Strand	-
Start	3569	End	17393
Name	OJ990730_07.0228.C24.o1.np	Method	AAT/NAP
Start	3797	End	7801
GI	2506139	Score	1856
Exons	3797..3883, 3987..4083, 4176..4238, 4608..4761, 4872..5058, 5510..5820, 6070..6238, 6507..6749, 7158..7381, 7759..7801		
GI Descrip.	COATOMER DELTA SUBUNIT (DELTA-COAT PROTEIN) (DELTA-COP) (ARCHAIN) gi|1314049|emb|CAA91901| (Z67962) archain/delta-COP [Oryza sativa]		

Seq. No.	9646	Seq. ID	OJ990730_07.0228.C24
Gene No.	20586	Strand	-
Start	3569	End	17393
Name	OJ990730_07.0228.C24.o4.gp	Method	AAT/GAP
Start	4173	End	5637
GI	22086_1.R1084	Score	915
Exons	4173..4238, 4608..4761, 4872..5058, 5510..5637		
GI Descrip.	'2506139/sp|P49661|COPD_ORYSA 3.0e-09 COATOMER DELTA SUBUNIT (DELTA-COAT PROTEIN) (DELTA-COP) (ARCHAIN) >gi_1314049_emb_CAA91901_ (Z67962) archain/delta-COP [Oryza sativa]'		

Seq. No.	9646	Seq. ID	OJ990730_07.0228.C24
Gene No.	20586	Strand	-
Start	3569	End	17393
Name	OJ990730_07.0228.C24.o5.gp	Method	AAT/GAP
Start	4624	End	5814
GI	22086_1.R1084	Score	1170
Exons	4624..4761, 4872..5058, 5510..5814		
GI Descrip.	'2506139/sp|P49661|COPD_ORYSA 3.0e-09 COATOMER DELTA SUBUNIT (DELTA-COAT PROTEIN) (DELTA-COP) (ARCHAIN) >gi_1314049_emb_CAA91901_ (Z67962) archain/delta-COP [Oryza sativa]'		

Seq. No.	9646	Seq. ID	OJ990730_07.0228.C24
Gene No.	20586	Strand	-
Start	3569	End	17393
Name	OJ990730_07.0228.C24.o6.gp	Method	AAT/GAP
Start	6094	End	8327
GI	44408_1.R1084	Score	1186
Exons	6094..6238, 6507..6749, 7158..7381, 7759..7798, 7919..7983, 8282..8327		
GI Descrip.	'2506139/sp|P49661|COPD_ORYSA 3.0e-79 COATOMER DELTA SUBUNIT (DELTA-COAT PROTEIN) (DELTA-COP) (ARCHAIN) >gi_1314049_emb_CAA91901_ (Z67962) archain/delta-COP [Oryza sativa]'		

Seq. No.	9646	Seq. ID	OJ990730_07.0228.C24
Gene No.	20586	Strand	-
Start	3569	End	17393
Name	OJ990730_07.0228.C24.o2.np	Method	AAT/NAP
Start	6812	End	9255
GI	3402684	Score	107
Exons	6812..6881, 9097..9255		
GI Descrip.	(AC004697) nodulin-like protein [Arabidopsis thaliana]		

Seq. No.	9646	Seq. ID	OJ990730_07.0228.C24
Gene No.	20586	Strand	-
Start	3569	End	17393
Name	OJ990730_07.0228.C24.o3.gs	Method	GENSCAN
Start	9141	End	13918
GI	none	Score	.6
Exons	9141..9339, 11463..11614, 11700..11874, 13845..13918		

Seq. No.	9646	Seq. ID	OJ990730_07.0228.C24
Gene No.	20586	Strand	-
Start	3569	End	17393
Name	OJ990730_07.0228.C24.o3.np	Method	AAT/NAP
Start	11492	End	17393
GI	4567249	Score	795
Exons	11492..11614, 11700..11874, 13173..13424, 15055..15165, 15865..15933, 16011..16091, 17338..17393		
GI Descrip.	(AC007070) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	9646	Seq. ID	OJ990730_07.0228.C24
Gene No.	20586	Strand	-
Start	3569	End	17393
Name	OJ990730_07.0228.C24.o7.gp	Method	AAT/GAP
Start	12808	End	13172

GI	2312231	Score	576
Exons	12808..13172		

Seq. No.	9646	Seq. ID	OJ990730_07.0228.C24
Gene No.	20587	Strand	-
Start	20473	End	20695
Name	OJ990730_07.0228.C24.o1.tm	Method	TBLASTX:Maize
Start	3792	End	7412
GI	none	Score	92
Exons	3792..3884, 3794..3904, 3794..3889, 3822..3941, 3981..4088, 3984..4085, 3985..4089, 4176..4247, 4177..4233, 4178..4243, 4596..4775, 4606..4776, 4607..4762, 4872..5060, 4873..5058, 4874..5065, 4874..5059, 5500..5769, 5507..5815, 5510..5812, 5511..5828, 5640..5828, 6068..6199, 6071..6244, 6073..6243, 6450..6749, 6504..6749, 6508..6750, 7155..7370, 7155..7412, 7207..7383		

Seq. No.	9646	Seq. ID	OJ990730_07.0228.C24
Gene No.	20587	Strand	-
Start	20473	End	20695
Name	OJ990730_07.0228.C24.o4.ts	Method	TBLASTX:Soybean
Start	3794	End	4247
GI	none	Score	39
Exons	3794..3889, 3962..3988, 3975..4085, 3979..4092, 4176..4247, 4178..4243		

Seq. No.	9646	Seq. ID	OJ990730_07.0228.C24
Gene No.	20587	Strand	-
Start	20473	End	20695
Name	OJ990730_07.0228.C24.o1.tc	Method	TBLASTX:Cress
Start	3854	End	7412
GI	none	Score	84
Exons	3854..3889, 3984..4073, 3985..4071, 4176..4247, 4178..4243, 4596..4757, 4605..4772, 4607..4819, 4610..4759, 4873..4953, 4936..5040, 4937..5062, 5504..5650, 5507..5674, 5651..5743, 5682..5744, 5747..5812, 6504..6749, 6516..6755, 7140..7370, 7142..7378, 7155..7412, 7207..7377		

Seq. No.	9646	Seq. ID	OJ990730_07.0228.C24
Gene No.	20587	Strand	-
Start	20473	End	20695
Name	OJ990730_07.0228.C24.o3.ts	Method	TBLASTX:Soybean
Start	4640	End	5717
GI	none	Score	131
Exons	4640..4819, 4641..4769, 4643..4813, 4669..4824, 4936..5058, 4937..5032, 5507..5671, 5510..5665, 5657..5716, 5658..5717		

Seq. No.	9646	Seq. ID	OJ990730_07.0228.C24
Gene No.	20587	Strand	-
Start	20473	End	20695
Name	OJ990730_07.0228.C24.o1.ts	Method	TBLASTX:Soybean
Start	5717	End	7412
GI	none	Score	90
Exons	5717..5815, 5718..5828, 6504..6749, 6516..6755, 7151..7354, 7155..7370, 7155..7412, 7210..7380		

Seq. No.	9646	Seq. ID	OJ990730_07.0228.C24

Gene No.	20587	Strand	-
Start	20473	End	20695
Name	OJ990730_07.0228.C24.o2.tm	Method	TBLASTX:Maize
Start	11477	End	17442
GI	none	Score	71
Exons	11477..11629, 11559..11615, 11704..11877, 11715..11876, 13154..13270, 13172..13270, 13179..13316, 15031..15168, 15033..15173, 15054..15164, 15058..15165, 15846..15932, 15865..15933, 15865..15933, 15866..15934, 15981..16094, 16002..16103, 16010..16108, 16016..16129, 17339..17383, 17343..17381, 17365..17442		

Seq. No.	9646	Seq. ID	OJ990730_07.0228.C24
Gene No.	20587	Strand	-
Start	20473	End	20695
Name	OJ990730_07.0228.C24.o2.ts	Method	TBLASTX:Soybean
Start	11495	End	13259
GI	none	Score	63
Exons	11495..11629, 11559..11615, 11697..11867, 11704..11874, 11715..11876, 13172..13258, 13173..13259		

Seq. No.	9646	Seq. ID	OJ990730_07.0228.C24
Gene No.	20587	Strand	-
Start	20473	End	20695
Name	OJ990730_07.0228.C24.o1.tw	Method	TBLASTX:Wheat
Start	15081	End	17383
GI	none	Score	85
Exons	15081..15164, 15082..15168, 15084..15173, 15852..15932, 15864..15932, 15865..15933, 15866..15934, 16002..16097, 16010..16108, 16033..16119, 17337..17381, 17339..17383		

Seq. No.	9646	Seq. ID	OJ990730_07.0228.C24
Gene No.	20587	Strand	-
Start	20473	End	20695
Name	OJ990730_07.0228.C24.o4.np	Method	AAT/NAP
Start	20473	End	20695
GI	5295951	Score	200
Exons	20473..20695		
GI Descrip.	(AB026295) Similar to Herpesvirus papio BRRF2 homolog gene, partial cds.(U23857) [Oryza sativa]		

Seq. No.	9647	Seq. ID	OJ990730_07.0228.C25
Gene No.	20588	Strand	-
Start	149	End	343
Name	OJ990730_07.0228.C25.o1.gs	Method	GENSCAN
Start	149	End	343
GI	none	Score	.86
Exons	149..343		

Seq. No.	9648	Seq. ID	OJ990730_07.0228.C26
Gene No.	20589	Strand	+
Start	131	End	1286
Name	OJ990730_07.0228.C26.o1.gs	Method	GENSCAN
Start	131	End	1064
GI	none	Score	.56
Exons	131..738, 740..1064		

Seq. No.	9648	Seq. ID	OJ990730_07.0228.C26
Gene No.	20589	Strand	+
Start	131	End	1286
Name	OJ990730_07.0228.C26.o1.np	Method	AAT/NAP
Start	131	End	1286
GI	5902444	Score	1376
Exons	131..1286		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	9649	Seq. ID	OJ990730_07.0228.C27
Gene No.	20590	Strand	+
Start	469	End	3826
Name	OJ990730_07.0228.C27.o1.gs	Method	GENSCAN
Start	469	End	3826
GI	none	Score	.69
Exons	469..558, 820..1017, 1115..1518, 1650..1824, 2005..2188, 2229..2573, 2640..2843, 2937..3155, 3249..3826		

Seq. No.	9649	Seq. ID	OJ990730_07.0228.C27
Gene No.	20590	Strand	+
Start	469	End	3826
Name	OJ990730_07.0228.C27.o1.np	Method	AAT/NAP
Start	727	End	3823
GI	5902445	Score	4929
Exons	727..3823		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	9649	Seq. ID	OJ990730_07.0228.C27
Gene No.	20591	Strand	+
Start	5988	End	7226
Name	OJ990730_07.0228.C27.o3.np	Method	AAT/NAP
Start	5988	End	7226
GI	6691716	Score	1445
Exons	5988..6872, 7070..7226		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	9649	Seq. ID	OJ990730_07.0228.C27
Gene No.	20592	Strand	+
Start	11896	End	22265
Name	OJ990730_07.0228.C27.o4.np	Method	AAT/NAP
Start	11896	End	22132
GI	3928871	Score	3570
Exons	11896..12039, 13380..13429, 13555..13741, 14749..14914, 14999..15296, 16026..16221, 16335..16493, 17182..17242, 17775..17838, 17970..18227, 18884..19121, 19215..19327, 19418..19494, 19581..19744, 20437..20628, 20763..20871, 21230..21312, 21406..21543, 21814..21996, 22088..22132		
GI Descrip.	(AF093627) poly(ADP)-ribose polymerase [Zea mays]		

Seq. No.	9649	Seq. ID	OJ990730_07.0228.C27
Gene No.	20592	Strand	+
Start	11896	End	22265
Name	OJ990730_07.0228.C27.o5.gs	Method	GENSCAN
Start	13261	End	22116
GI	none	Score	.69

Exons	13261..13277, 13555..13741, 14749..14914, 14993..15296, 16026..16221, 16335..16493, 18900..19121, 19173..19327, 19418..19494, 19581..19744, 20437..20586, 21406..21543, 21814..22116		
Seq. No.	9649	Seq. ID	OJ990730_07.0228.C27
Gene No.	20592	Strand	+
Start	11896	End	22265
Name	OJ990730_07.0228.C27.o1.gp	Method	AAT/GAP
Start	14131	End	14845
GI	4107140	Score	1204
Exons	14131..14845		
Seq. No.	9649	Seq. ID	OJ990730_07.0228.C27
Gene No.	20592	Strand	+
Start	11896	End	22265
Name	OJ990730_07.0228.C27.o2.gp	Method	AAT/GAP
Start	21814	End	22265
GI	3107055	Score	644
Exons	21814..21996, 22088..22265		
GI Descrip.	2632129/emb|CAA10889| 9.0e-32 (AJ222589) poly(ADP-ribose) polymerase [Zea mays]		
Seq. No.	9649	Seq. ID	OJ990730_07.0228.C27
Gene No.	20593	Strand	-
Start	4164	End	8204
Name	OJ990730_07.0228.C27.o2.gs	Method	GENSCAN
Start	4164	End	6245
GI	none	Score	.84
Exons	4164..4267, 4400..4615, 4855..5030, 5228..5306, 5384..6245		
Seq. No.	9649	Seq. ID	OJ990730_07.0228.C27
Gene No.	20593	Strand	-
Start	4164	End	8204
Name	OJ990730_07.0228.C27.o2.np	Method	AAT/NAP
Start	4167	End	8204
GI	6691716	Score	1088
Exons	4167..4615, 4678..4793, 4944..5044, 5119..5306, 5384..5559, 5636..5742, 7897..7991, 8179..8204		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		
Seq. No.	9649	Seq. ID	OJ990730_07.0228.C27
Gene No.	20594	Strand	-
Start	10124	End	12241
Name	OJ990730_07.0228.C27.o4.gs	Method	GENSCAN
Start	10124	End	12241
GI	none	Score	.42
Exons	10124..10333, 10405..10905, 11885..12241		
Seq. No.	9649	Seq. ID	OJ990730_07.0228.C27
Gene No.	20595	Strand	-
Start	22951	End	24232
Name	OJ990730_07.0228.C27.o6.tw	Method	TBLASTX:Wheat
Start	112	End	429
GI	none	Score	275

Exons	112..429, 171..413		
Seq. No.	9649	Seq. ID	OJ990730_07.0228.C27
Gene No.	20595	Strand	-
Start	22951	End	24232
Name	OJ990730_07.0228.C27.o2.tw	Method	TBLASTX:Wheat
Start	672	End	1129
GI	none	Score	421
Exons	672..1049, 673..1056, 790..1059, 863..1060, 1055..1129		
Seq. No.	9649	Seq. ID	OJ990730_07.0228.C27
Gene No.	20595	Strand	-
Start	22951	End	24232
Name	OJ990730_07.0228.C27.o6.tm	Method	TBLASTX:Maize
Start	802	End	1159
GI	none	Score	249
Exons	802..1053, 843..1058, 875..1057, 1054..1149, 1058..1159		
Seq. No.	9649	Seq. ID	OJ990730_07.0228.C27
Gene No.	20595	Strand	-
Start	22951	End	24232
Name	OJ990730_07.0228.C27.o4.tm	Method	TBLASTX:Maize
Start	1187	End	1570
GI	none	Score	371
Exons	1187..1570, 1225..1569		
Seq. No.	9649	Seq. ID	OJ990730_07.0228.C27
Gene No.	20595	Strand	-
Start	22951	End	24232
Name	OJ990730_07.0228.C27.o1.tw	Method	TBLASTX:Wheat
Start	1243	End	1668
GI	none	Score	472
Exons	1243..1668, 1244..1663		
Seq. No.	9649	Seq. ID	OJ990730_07.0228.C27
Gene No.	20595	Strand	-
Start	22951	End	24232
Name	OJ990730_07.0228.C27.o3.ts	Method	TBLASTX:Soybean
Start	1292	End	1693
GI	none	Score	295
Exons	1292..1693, 1339..1692		
Seq. No.	9649	Seq. ID	OJ990730_07.0228.C27
Gene No.	20595	Strand	-
Start	22951	End	24232
Name	OJ990730_07.0228.C27.o8.tw	Method	TBLASTX:Wheat
Start	1672	End	1953
GI	none	Score	47
Exons	1672..1728, 1674..1721, 1729..1953, 1791..1952		
Seq. No.	9649	Seq. ID	OJ990730_07.0228.C27
Gene No.	20595	Strand	-
Start	22951	End	24232
Name	OJ990730_07.0228.C27.o4.ts	Method	TBLASTX:Soybean
Start	1957	End	2335
GI	none	Score	78
Exons	1957..2052, 2092..2166, 2213..2335		

Seq. No.	9649	Seq. ID	OJ990730_07.0228.C27
Gene No.	20595	Strand	-
Start	22951	End	24232
Name	OJ990730_07.0228.C27.o5.tw	Method	TBLASTX:Wheat
Start	1957	End	2382
GI	none	Score	222
Exons	1957..2184, 1962..2174, 2180..2380, 2188..2382		

Seq. No.	9649	Seq. ID	OJ990730_07.0228.C27
Gene No.	20595	Strand	-
Start	22951	End	24232
Name	OJ990730_07.0228.C27.o9.tw	Method	TBLASTX:Wheat
Start	2396	End	2695
GI	none	Score	123
Exons	2396..2530, 2399..2539, 2406..2543, 2597..2695		

Seq. No.	9649	Seq. ID	OJ990730_07.0228.C27
Gene No.	20595	Strand	-
Start	22951	End	24232
Name	OJ990730_07.0228.C27.o2.tm	Method	TBLASTX:Maize
Start	2693	End	3055
GI	none	Score	414
Exons	2693..3016, 2713..3003, 3008..3055		

Seq. No.	9649	Seq. ID	OJ990730_07.0228.C27
Gene No.	20595	Strand	-
Start	22951	End	24232
Name	OJ990730_07.0228.C27.o4.tw	Method	TBLASTX:Wheat
Start	2698	End	3087
GI	none	Score	390
Exons	2698..3009, 2699..3085, 2900..3085, 3040..3087		

Seq. No.	9649	Seq. ID	OJ990730_07.0228.C27
Gene No.	20595	Strand	-
Start	22951	End	24232
Name	OJ990730_07.0228.C27.o3.tw	Method	TBLASTX:Wheat
Start	3200	End	3796
GI	none	Score	374
Exons	3200..3691, 3220..3288, 3355..3462, 3677..3796		

Seq. No.	9649	Seq. ID	OJ990730_07.0228.C27
Gene No.	20595	Strand	-
Start	22951	End	24232
Name	OJ990730_07.0228.C27.o8.tm	Method	TBLASTX:Maize
Start	3521	End	3775
GI	none	Score	161
Exons	3521..3694, 3619..3693, 3673..3774, 3674..3775		

Seq. No.	9649	Seq. ID	OJ990730_07.0228.C27
Gene No.	20595	Strand	-
Start	22951	End	24232
Name	OJ990730_07.0228.C27.o7.tw	Method	TBLASTX:Wheat
Start	6081	End	6398
GI	none	Score	212
Exons	6081..6398		

Seq. No.	9649	Seq. ID	OJ990730_07.0228.C27
Gene No.	20595	Strand	-
Start	22951	End	24232
Name	OJ990730_07.0228.C27.o1.tc	Method	TBLASTX:Cress
Start	11922	End	22135
GI	none	Score	87
Exons	11922..12038, 11926..12042, 13371..13430, 13381..13440, 13553..13621, 13676..13753, 14770..14925, 14787..14924, 15151..15315, 15982..16074, 16026..16202, 16027..16221, 16102..16221, 16305..16376, 16326..16385, 17188..17250, 17968..18075, 17968..18060, 18067..18225, 18093..18227, 18094..18231, 18863..19123, 18885..19121, 18886..19122, 19214..19348, 19215..19328, 19365..19496, 19415..19495, 19571..19681, 19573..19614, 19643..19747, 19681..19746, 20434..20625, 20434..20613, 20592..20639, 20754..20873, 20763..20879, 21228..21311, 21229..21312, 21405..21554, 21406..21540, 21812..21997, 21816..21998, 21817..22002, 21817..22002, 22085..22135, 22087..22119		

Seq. No.	9649	Seq. ID	OJ990730_07.0228.C27
Gene No.	20595	Strand	-
Start	22951	End	24232
Name	OJ990730_07.0228.C27.o3.tm	Method	TBLASTX:Maize
Start	15157	End	18102
GI	none	Score	210
Exons	15157..15315, 15159..15314, 16019..16216, 16025..16210, 16026..16220, 16027..16221, 16317..16484, 16326..16487, 17196..17246, 17967..18101, 17967..18101, 17968..18102		

Seq. No.	9649	Seq. ID	OJ990730_07.0228.C27
Gene No.	20595	Strand	-
Start	22951	End	24232
Name	OJ990730_07.0228.C27.o1.tm	Method	TBLASTX:Maize
Start	18881	End	20572
GI	none	Score	216
Exons	18881..19117, 18881..19117, 18883..19131, 18885..19121, 19214..19348, 19215..19328, 19365..19496, 19397..19495, 19419..19502, 19571..19744, 19578..19736, 19579..19746, 19580..19744, 19584..19772, 20428..20568, 20438..20572		

Seq. No.	9649	Seq. ID	OJ990730_07.0228.C27
Gene No.	20595	Strand	-
Start	22951	End	24232
Name	OJ990730_07.0228.C27.o2.ts	Method	TBLASTX:Soybean
Start	18888	End	19735
GI	none	Score	301
Exons	18888..19079, 18902..19078, 19071..19121, 19085..19123, 19214..19348, 19215..19328, 19374..19496, 19397..19495, 19419..19502, 19571..19681, 19579..19614, 19625..19732, 19649..19735		

Seq. No.	9649	Seq. ID	OJ990730_07.0228.C27
Gene No.	20595	Strand	-
Start	22951	End	24232
Name	OJ990730_07.0228.C27.o5.tm	Method	TBLASTX:Maize
Start	21291	End	22144
GI	none	Score	85

Exons	21291..21317, 21411..21452, 21441..21554, 21456..21542, 21457..21543, 21813..21998, 21814..22002, 22085..22144, 22085..22129		
Seq. No.	9649	Seq. ID	OJ990730_07.0228.C27
Gene No.	20595	Strand	-
Start	22951	End	24232
Name	OJ990730_07.0228.C27.o6.gs	Method	GENSCAN
Start	22951	End	24232
GI	none	Score	.81
Exons	22951..23320, 23648..23801, 24199..24232		
Seq. No.	9649	Seq. ID	OJ990730_07.0228.C27
Gene No.	20595	Strand	-
Start	22951	End	24232
Name	OJ990730_07.0228.C27.o3.gp	Method	AAT/GAP
Start	22963	End	23934
GI	10616_1.R1084	Score	1705
Exons	22963..23473, 23511..23934		
GI Descrip.	'5042435/gb|AAD38274.1|AC006193_30 3.0e-84 (AC006193) Unknown protein [Arabidopsis thaliana]'		
Seq. No.	9649	Seq. ID	OJ990730_07.0228.C27
Gene No.	20595	Strand	-
Start	22951	End	24232
Name	OJ990730_07.0228.C27.o5.np	Method	AAT/NAP
Start	23014	End	23841
GI	5042435	Score	732
Exons	23014..23475, 23515..23841		
GI Descrip.	(AC006193) Unknown protein [Arabidopsis thaliana]		
Seq. No.	9649	Seq. ID	OJ990730_07.0228.C27
Gene No.	20595	Strand	-
Start	22951	End	24232
Name	OJ990730_07.0228.C27.o1.ts	Method	TBLASTX:Soybean
Start	23185	End	23790
GI	none	Score	95
Exons	23185..23295, 23186..23308, 23302..23463, 23303..23425, 23531..23758, 23533..23790		
Seq. No.	9649	Seq. ID	OJ990730_07.0228.C27
Gene No.	20595	Strand	-
Start	22951	End	24232
Name	OJ990730_07.0228.C27.o7.tm	Method	TBLASTX:Maize
Start	23560	End	23836
GI	none	Score	260
Exons	23560..23781, 23561..23836		
Seq. No.	9650	Seq. ID	OJ990730_07.0228.C28
Gene No.	20596	Strand	+
Start	768	End	2599
Name	OJ990730_07.0228.C28.o1.gs	Method	GENSCAN
Start	768	End	2599
GI	none	Score	.72
Exons	768..889, 1882..1935, 2079..2212, 2478..2599		
Seq. No.	9650	Seq. ID	OJ990730_07.0228.C28

Gene No.	20597	Strand	+
Start	3079	End	4492
Name	OJ990730_07.0228.C28.o1.np	Method	AAT/NAP
Start	3079	End	4492
GI	119714	Score	108
Exons	3079..3733, 4425..4492		
GI Descrip.	EXTENSIN PRECURSOR (CELL WALL HYDROXYPROLINE-RICH GLYCOPROTEIN) gi|82169|pir||S06733 hydroxyproline-rich glycoprotein precursor - common tobacco gi|19867|emb|CAA32090| (X13885) extensin (AA 1-620) [Nicotiana tabacum]		

Seq. No.	9650	Seq. ID	OJ990730_07.0228.C28
Gene No.	20598	Strand	-
Start	3240	End	4482
Name	OJ990730_07.0228.C28.o2.gs	Method	GENSCAN
Start	3240	End	4482
GI	none	Score	.92
Exons	3240..3440, 3446..3784, 4126..4192, 4334..4482		

Seq. No.	9650	Seq. ID	OJ990730_07.0228.C28
Gene No.	20599	Strand	-
Start	6240	End	7075
Name	OJ990730_07.0228.C28.o3.gs	Method	GENSCAN
Start	6240	End	7075
GI	none	Score	.76
Exons	6240..6352, 7039..7075		

Seq. No.	9651	Seq. ID	OJ990730_07.0228.C29
Gene No.	20600	Strand	-
Start	130	End	1530
Name	OJ990730_07.0228.C29.o1.gs	Method	GENSCAN
Start	130	End	1530
GI	none	Score	.56
Exons	130..938, 973..1260, 1385..1530		

Seq. No.	9651	Seq. ID	OJ990730_07.0228.C29
Gene No.	20600	Strand	-
Start	130	End	1530
Name	OJ990730_07.0228.C29.o1.np	Method	AAT/NAP
Start	303	End	1246
GI	100248	Score	90
Exons	303..778, 1083..1246		
GI Descrip.	proline-rich protein - tomato gi|19521|emb|CAA40361| (X57076) proline rich protein [Lycopersicon esculentum]		

Seq. No.	9652	Seq. ID	OJ990730_07.0228.C30
Gene No.	20601	Strand	+
Start	1	End	540
Name	OJ990730_07.0228.C30.o1.np	Method	AAT/NAP
Start	1	End	244
GI	2809253	Score	107
Exons	1..244		
GI Descrip.	(AC002560) F21B7.22 [Arabidopsis thaliana]		

Seq. No.	9652	Seq. ID	OJ990730_07.0228.C30
Gene No.	20601	Strand	+
Start	1	End	540

Name	OJ990730_07.0228.C30.o1.gs	Method	GENSCAN
Start	61	End	540
GI	none	Score	.94
Exons	61..540		

Seq. No.	9653	Seq. ID	OJ990730_07.0228.C31
Gene No.	20602	Strand	-
Start	273	End	657
Name	OJ990730_07.0228.C31.o1.gs	Method	GENSCAN
Start	273	End	657
GI	none	Score	.55
Exons	273..431, 532..657		

Seq. No.	9654	Seq. ID	OJ990730_07.0228.C32
Gene No.	20603	Strand	+
Start	51	End	4013
Name	OJ990730_07.0228.C32.o1.gs	Method	GENSCAN
Start	51	End	4013
GI	none	Score	.67
Exons	51..137, 142..334, 443..699, 871..1008, 1041..1248, 1291..1386, 1492..1729, 1815..1925, 2016..2045, 2173..2263, 2349..2516, 3312..4013		

Seq. No.	9654	Seq. ID	OJ990730_07.0228.C32
Gene No.	20603	Strand	+
Start	51	End	4013
Name	OJ990730_07.0228.C32.o1.gp	Method	AAT/GAP
Start	1085	End	1630
GI	LIB3431-004-P1-K1-F8	Score	818
Exons	1085..1399, 1478..1630		
GI Descrip.	'3080439/emb|CAA18756.1| 2.0e-14 (AL022605) putative protein [Arabidopsis thaliana]'		

Seq. No.	9654	Seq. ID	OJ990730_07.0228.C32
Gene No.	20604	Strand	-
Start	1857	End	4096
Name	OJ990730_07.0228.C32.o1.np	Method	AAT/NAP
Start	1857	End	4096
GI	5091617	Score	478
Exons	1857..1946, 3286..4096		
GI Descrip.	(AC007454) Contains similarity to gi|479356 protein kinase PK1 from Zea mays, is a member of the PF|00954 S-locus glycoprotein family and contains a PF|00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]		

Seq. No.	9654	Seq. ID	OJ990730_07.0228.C32
Gene No.	20604	Strand	-
Start	1857	End	4096
Name	OJ990730_07.0228.C32.o1.tc	Method	TBLASTX:Cress
Start	3367	End	3686
GI	none	Score	91
Exons	3367..3507, 3369..3518, 3528..3686, 3529..3678		

Seq. No.	9654	Seq. ID	OJ990730_07.0228.C32
Gene No.	20604	Strand	-
Start	1857	End	4096
Name	OJ990730_07.0228.C32.o1.tw	Method	TBLASTX:Wheat

Start	3369	End	3669
GI	none	Score	69
Exons	3369..3668, 3397..3504, 3535..3669		

Seq. No.	9654	Seq. ID	OJ990730_07.0228.C32
Gene No.	20604	Strand	-
Start	1857	End	4096
Name	OJ990730_07.0228.C32.o1.tm	Method	TBLASTX:Maize
Start	3392	End	3639
GI	none	Score	72
Exons	3392..3451, 3393..3530, 3394..3537, 3457..3594, 3522..3608, 3528..3638, 3529..3639		

Seq. No.	9654	Seq. ID	OJ990730_07.0228.C32
Gene No.	20604	Strand	-
Start	1857	End	4096
Name	OJ990730_07.0228.C32.o1.ts	Method	TBLASTX:Soybean
Start	3394	End	3686
GI	none	Score	99
Exons	3394..3486, 3396..3686, 3553..3684		

Seq. No.	9655	Seq. ID	OJ990730_07.0228.C33
Gene No.	20605	Strand	-
Start	1034	End	2927
Name	OJ990730_07.0228.C33.o1.gs	Method	GENSCAN
Start	1034	End	2927
GI	none	Score	.66
Exons	1034..1750, 2665..2769, 2922..2927		

Seq. No.	9656	Seq. ID	OJ990730_07.0228.C34
Gene No.	20606	Strand	+
Start	690	End	1414
Name	OJ990730_07.0228.C34.o1.gs	Method	GENSCAN
Start	690	End	1414
GI	none	Score	.61
Exons	690..822, 1392..1414		

Seq. No.	9656	Seq. ID	OJ990730_07.0228.C34
Gene No.	20607	Strand	+
Start	5659	End	6876
Name	OJ990730_07.0228.C34.o3.gs	Method	GENSCAN
Start	5659	End	6876
GI	none	Score	.48
Exons	5659..6876		

Seq. No.	9656	Seq. ID	OJ990730_07.0228.C34
Gene No.	20608	Strand	-
Start	1	End	8171
Name	OJ990730_07.0228.C34.o2.np	Method	AAT/NAP
Start	1	End	4870
GI	5852175	Score	52
Exons	1..28, 4062..4095, 4736..4870		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		

Seq. No.	9656	Seq. ID	OJ990730_07.0228.C34
Gene No.	20608	Strand	-
Start	1	End	8171

Name	OJ990730_07.0228.C34.o1.np	Method	AAT/NAP
Start	3327	End	8171
GI	6539553	Score	804
Exons	3327..3935, 8094..8171		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	9656	Seq. ID	OJ990730_07.0228.C34
Gene No.	20609	Strand	-
Start	8254	End	8953
Name	OJ990730_07.0228.C34.o1.tw	Method	TBLASTX:Wheat
Start	3455	End	3928
GI	none	Score	120
Exons	3455..3838, 3459..3566, 3486..3839, 3488..3838, 3654..3839, 3854..3928, 3854..3928		

Seq. No.	9656	Seq. ID	OJ990730_07.0228.C34
Gene No.	20609	Strand	-
Start	8254	End	8953
Name	OJ990730_07.0228.C34.o4.gs	Method	GENSCAN
Start	8254	End	8953
GI	none	Score	.63
Exons	8254..8361, 8804..8953		

Seq. No.	9657	Seq. ID	OJ990730_07.0228.C35
Gene No.	20610	Strand	+
Start	897	End	1495
Name	OJ990730_07.0228.C35.o1.gs	Method	GENSCAN
Start	897	End	1495
GI	none	Score	.43
Exons	897..942, 1410..1495		

Seq. No.	9657	Seq. ID	OJ990730_07.0228.C35
Gene No.	20611	Strand	+
Start	1434	End	5482
Name	OJ990730_07.0228.C35.o2.np	Method	AAT/NAP
Start	1434	End	5482
GI	6721516	Score	583
Exons	1434..1468, 3157..3397, 3812..4126, 5453..5482		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	9657	Seq. ID	OJ990730_07.0228.C35
Gene No.	20612	Strand	-
Start	1824	End	4000
Name	OJ990730_07.0228.C35.o2.gs	Method	GENSCAN
Start	1824	End	4000
GI	none	Score	.75
Exons	1824..2327, 3953..4000		

Seq. No.	9657	Seq. ID	OJ990730_07.0228.C35
Gene No.	20612	Strand	-
Start	1824	End	4000
Name	OJ990730_07.0228.C35.o1.np	Method	AAT/NAP
Start	1842	End	2416
GI	4490739	Score	340

Exons	1842..2036, 2064..2416		
GI Descrip.	(AL035708) putative protein [Arabidopsis thaliana]		
Seq. No.	9657	Seq. ID	OJ990730_07.0228.C35
Gene No.	20612	Strand	-
Start	1824	End	4000
Name	OJ990730_07.0228.C35.o1.ts	Method	TBLASTX:Soybean
Start	2103	End	2419
GI	none	Score	147
Exons	2103..2333, 2113..2316, 2354..2419		
Seq. No.	9657	Seq. ID	OJ990730_07.0228.C35
Gene No.	20612	Strand	-
Start	1824	End	4000
Name	OJ990730_07.0228.C35.o1.tm	Method	TBLASTX:Maize
Start	2109	End	2428
GI	none	Score	295
Exons	2109..2333, 2113..2343, 2278..2340, 2343..2420, 2354..2428, 2355..2420		
Seq. No.	9658	Seq. ID	OJ990730_07.0228.C36
Gene No.	20613	Strand	-
Start	12	End	5945
Name	OJ990730_07.0228.C36.o1.gs	Method	GENSCAN
Start	12	End	5860
GI	none	Score	.72
Exons	12..169, 239..755, 1022..1210, 3127..3317, 3342..3463, 3883..4866, 4889..5269, 5453..5599, 5858..5860		
Seq. No.	9658	Seq. ID	OJ990730_07.0228.C36
Gene No.	20613	Strand	-
Start	12	End	5945
Name	OJ990730_07.0228.C36.o1.tm	Method	TBLASTX:Maize
Start	2401	End	3103
GI	none	Score	115
Exons	2401..2697, 2443..2523, 2526..2693, 2684..3103, 2706..3101		
Seq. No.	9658	Seq. ID	OJ990730_07.0228.C36
Gene No.	20613	Strand	-
Start	12	End	5945
Name	OJ990730_07.0228.C36.o1.np	Method	AAT/NAP
Start	2437	End	5542
GI	4416302	Score	3292
Exons	2437..5542		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		
Seq. No.	9658	Seq. ID	OJ990730_07.0228.C36
Gene No.	20613	Strand	-
Start	12	End	5945
Name	OJ990730_07.0228.C36.o2.ts	Method	TBLASTX:Soybean
Start	2493	End	3094
GI	none	Score	55
Exons	2493..2687, 2494..2679, 2711..3094, 2718..3089		
Seq. No.	9658	Seq. ID	OJ990730_07.0228.C36
Gene No.	20613	Strand	-
Start	12	End	5945

Name	OJ990730_07.0228.C36.o3.tw	Method	TBLASTX:Wheat
Start	2858	End	3289
GI	none	Score	102
Exons	2858..3115, 3128..3289		

Seq. No.	9658	Seq. ID	OJ990730_07.0228.C36
Gene No.	20613	Strand	-
Start	12	End	5945
Name	OJ990730_07.0228.C36.o7.tm	Method	TBLASTX:Maize
Start	3104	End	3296
GI	none	Score	196
Exons	3104..3295, 3105..3296		

Seq. No.	9658	Seq. ID	OJ990730_07.0228.C36
Gene No.	20613	Strand	-
Start	12	End	5945
Name	OJ990730_07.0228.C36.o3.tm	Method	TBLASTX:Maize
Start	3338	End	3805
GI	none	Score	143
Exons	3338..3652, 3341..3805, 3345..3803, 3686..3805		

Seq. No.	9658	Seq. ID	OJ990730_07.0228.C36
Gene No.	20613	Strand	-
Start	12	End	5945
Name	OJ990730_07.0228.C36.o1.ts	Method	TBLASTX:Soybean
Start	3465	End	4077
GI	5509260	Score	310
Exons	3465..3836, 3465..3728, 3470..3868, 3473..3868, 3856..4077, 3865..4071		
GI Descrip.	-		

Seq. No.	9658	Seq. ID	OJ990730_07.0228.C36
Gene No.	20613	Strand	-
Start	12	End	5945
Name	OJ990730_07.0228.C36.o1.tw	Method	TBLASTX:Wheat
Start	3473	End	3948
GI	none	Score	92
Exons	3473..3649, 3479..3826, 3480..3818, 3483..3836, 3692..3820, 3865..3948		

Seq. No.	9658	Seq. ID	OJ990730_07.0228.C36
Gene No.	20613	Strand	-
Start	12	End	5945
Name	OJ990730_07.0228.C36.o5.tm	Method	TBLASTX:Maize
Start	3806	End	4107
GI	none	Score	44
Exons	3806..3856, 3806..3856, 3868..4107, 3869..4072		

Seq. No.	9658	Seq. ID	OJ990730_07.0228.C36
Gene No.	20613	Strand	-
Start	12	End	5945
Name	OJ990730_07.0228.C36.o2.tm	Method	TBLASTX:Maize
Start	4164	End	4954
GI	none	Score	393
Exons	4164..4220, 4263..4709, 4264..4881, 4304..4882, 4870..4947, 4883..4954		

Seq. No.	9658	Seq. ID	OJ990730_07.0228.C36
Gene No.	20613	Strand	-
Start	12	End	5945
Name	OJ990730_07.0228.C36.o5.tw	Method	TBLASTX:Wheat
Start	4293	End	4530
GI	none	Score	61
Exons	4293..4436, 4300..4446, 4304..4438, 4453..4530		

Seq. No.	9658	Seq. ID	OJ990730_07.0228.C36
Gene No.	20613	Strand	-
Start	12	End	5945
Name	OJ990730_07.0228.C36.o1.tc	Method	TBLASTX:Cress
Start	4315	End	4731
GI	none	Score	206
Exons	4315..4731		

Seq. No.	9658	Seq. ID	OJ990730_07.0228.C36
Gene No.	20613	Strand	-
Start	12	End	5945
Name	OJ990730_07.0228.C36.o3.ts	Method	TBLASTX:Soybean
Start	4363	End	4773
GI	none	Score	52
Exons	4363..4773, 4364..4516, 4565..4744		

Seq. No.	9658	Seq. ID	OJ990730_07.0228.C36
Gene No.	20613	Strand	-
Start	12	End	5945
Name	OJ990730_07.0228.C36.o2.tw	Method	TBLASTX:Wheat
Start	4615	End	5189
GI	none	Score	140
Exons	4615..4941, 4624..4869, 4886..4903, 4943..5188, 4959..5189		

Seq. No.	9658	Seq. ID	OJ990730_07.0228.C36
Gene No.	20613	Strand	-
Start	12	End	5945
Name	OJ990730_07.0228.C36.o4.tm	Method	TBLASTX:Maize
Start	4959	End	5351
GI	none	Score	152
Exons	4959..5231, 4961..5227, 5010..5231, 5026..5232, 5220..5351, 5222..5350		

Seq. No.	9658	Seq. ID	OJ990730_07.0228.C36
Gene No.	20613	Strand	-
Start	12	End	5945
Name	OJ990730_07.0228.C36.o4.tw	Method	TBLASTX:Wheat
Start	5261	End	5578
GI	none	Score	92
Exons	5261..5578, 5343..5564		

Seq. No.	9658	Seq. ID	OJ990730_07.0228.C36
Gene No.	20613	Strand	-
Start	12	End	5945
Name	OJ990730_07.0228.C36.o6.tm	Method	TBLASTX:Maize
Start	5354	End	5714
GI	none	Score	78
Exons	5354..5593, 5361..5489, 5517..5585, 5622..5705, 5622..5714		

Seq. No.	9658	Seq. ID	OJ990730_07.0228.C36
Gene No.	20613	Strand	-
Start	12	End	5945
Name	OJ990730_07.0228.C36.o2.np	Method	AAT/NAP
Start	5613	End	5945
GI	4416301	Score	79
Exons	5613..5782, 5915..5945		
GI Descrip.	(AF105716) gag protein [Zea mays]		

Seq. No.	9659	Seq. ID	OJ990730_07.0228.C37
Gene No.	20614	Strand	+
Start	22	End	768
Name	OJ990730_07.0228.C37.o1.gs	Method	GENSCAN
Start	22	End	768
GI	none	Score	.42
Exons	22..37, 507..571, 670..768		

Seq. No.	9660	Seq. ID	OJ990730_07.0228.C38
Gene No.	20615	Strand	+
Start	4605	End	10586
Name	OJ990730_07.0228.C38.o3.gs	Method	GENSCAN
Start	4605	End	10586
GI	none	Score	.8
Exons	4605..4655, 5273..5494, 5502..5657, 6747..6975, 7146..7261, 7590..7679, 8426..8490, 8586..8747, 10273..10357, 10479..10586		

Seq. No.	9660	Seq. ID	OJ990730_07.0228.C38
Gene No.	20615	Strand	+
Start	4605	End	10586
Name	OJ990730_07.0228.C38.o3.np	Method	AAT/NAP
Start	6933	End	10583
GI	3702368	Score	764
Exons	6933..7050, 7146..7261, 7590..7679, 8426..8493, 8589..8747, 9186..9264, 9354..9431, 10167..10241, 10322..10357, 10479..10583		
GI Descrip.	(AJ001855) alpha subunit of F-actin capping protein [Arabidopsis thaliana]		

Seq. No.	9660	Seq. ID	OJ990730_07.0228.C38
Gene No.	20616	Strand	-
Start	1050	End	3269
Name	OJ990730_07.0228.C38.o1.np	Method	AAT/NAP
Start	1050	End	3269
GI	1091678	Score	1879
Exons	1050..3269		
GI Descrip.	activator-like transposable element [Pennisetum glaucum]		

Seq. No.	9660	Seq. ID	OJ990730_07.0228.C38
Gene No.	20617	Strand	-
Start	3928	End	4149
Name	OJ990730_07.0228.C38.o2.np	Method	AAT/NAP
Start	3928	End	4149
GI	5295951	Score	153
Exons	3928..4149		
GI Descrip.	(AB026295) Similar to Herpesvirus papio BRRF2 homolog gene, partial cds.(U23857) [Oryza sativa]		

Seq. No.	9660	Seq. ID	OJ990730_07.0228.C38

Gene No.	20618	Strand	-
Start	10769	End	14448
Name	OJ990730_07.0228.C38.o5.ts	Method	TBLASTX:Soybean
Start	1178	End	1411
GI	none	Score	83
Exons	1178..1411, 1215..1352		

Seq. No.	9660	Seq. ID	OJ990730_07.0228.C38
Gene No.	20618	Strand	-
Start	10769	End	14448
Name	OJ990730_07.0228.C38.o1.tm	Method	TBLASTX:Maize
Start	1194	End	2666
GI	none	Score	200
Exons	1194..1475, 1196..1489, 1200..1472, 1583..1828, 1601..1828, 1820..2320, 1848..2321, 1869..2321, 2155..2322, 2340..2378, 2359..2607, 2366..2605, 2367..2606, 2607..2666		

Seq. No.	9660	Seq. ID	OJ990730_07.0228.C38
Gene No.	20618	Strand	-
Start	10769	End	14448
Name	OJ990730_07.0228.C38.o3.ts	Method	TBLASTX:Soybean
Start	1586	End	2008
GI	none	Score	51
Exons	1586..1837, 1703..1801, 1820..2008, 1841..1987		

Seq. No.	9660	Seq. ID	OJ990730_07.0228.C38
Gene No.	20618	Strand	-
Start	10769	End	14448
Name	OJ990730_07.0228.C38.o1.tw	Method	TBLASTX:Wheat
Start	2021	End	2299
GI	none	Score	199
Exons	2021..2299		

Seq. No.	9660	Seq. ID	OJ990730_07.0228.C38
Gene No.	20618	Strand	-
Start	10769	End	14448
Name	OJ990730_07.0228.C38.o4.ts	Method	TBLASTX:Soybean
Start	2403	End	2801
GI	none	Score	101
Exons	2403..2798, 2412..2801		

Seq. No.	9660	Seq. ID	OJ990730_07.0228.C38
Gene No.	20618	Strand	-
Start	10769	End	14448
Name	OJ990730_07.0228.C38.o4.tm	Method	TBLASTX:Maize
Start	2667	End	2870
GI	none	Score	171
Exons	2667..2870, 2677..2850, 2682..2864		

Seq. No.	9660	Seq. ID	OJ990730_07.0228.C38
Gene No.	20618	Strand	-
Start	10769	End	14448
Name	OJ990730_07.0228.C38.o2.tc	Method	TBLASTX:Cress
Start	6977	End	10601
GI	none	Score	94
Exons	6977..7045, 6978..7049, 7145..7264, 7566..7679, 7590..7682, 8429..8494, 8579..8680, 8580..8687, 8580..8759, 8584..8745,		

9163..9267, 9186..9266, 9351..9431, 9353..9427, 10158..10244, 10476..10601, 10478..10585

Seq. No.	9660	Seq. ID	OJ990730_07.0228.C38
Gene No.	20618	Strand	-
Start	10769	End	14448
Name	OJ990730_07.0228.C38.o2.ts	Method	TBLASTX:Soybean
Start	6978	End	10588
GI	none	Score	83
Exons	6978..7049, 6983..7045, 7145..7264, 7590..7682, 7607..7681, 8429..8491, 8584..8745, 8592..8768, 9186..9266, 9187..9267, 9351..9431, 9353..9421, 10158..10241, 10169..10207, 10306..10359, 10319..10357, 10476..10586, 10478..10588		

Seq. No.	9660	Seq. ID	OJ990730_07.0228.C38
Gene No.	20618	Strand	-
Start	10769	End	14448
Name	OJ990730_07.0228.C38.o3.tm	Method	TBLASTX:Maize
Start	6981	End	8759
GI	none	Score	118
Exons	6981..7049, 6983..7045, 7145..7264, 7201..7269, 7587..7679, 7590..7679, 7597..7680, 8424..8504, 8429..8491, 8579..8683, 8580..8759, 8584..8745		

Seq. No.	9660	Seq. ID	OJ990730_07.0228.C38
Gene No.	20618	Strand	-
Start	10769	End	14448
Name	OJ990730_07.0228.C38.o4.np	Method	AAT/NAP
Start	10769	End	13474
GI	5734733	Score	541
Exons	10769..10899, 11798..12418, 13429..13474		
GI Descrip.	(AC007259) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	9660	Seq. ID	OJ990730_07.0228.C38
Gene No.	20618	Strand	-
Start	10769	End	14448
Name	OJ990730_07.0228.C38.o4.gs	Method	GENSCAN
Start	11775	End	14448
GI	none	Score	.74
Exons	11775..12479, 12489..13129, 14322..14448		

Seq. No.	9660	Seq. ID	OJ990730_07.0228.C38
Gene No.	20618	Strand	-
Start	10769	End	14448
Name	OJ990730_07.0228.C38.o3.tc	Method	TBLASTX:Cress
Start	11799	End	12039
GI	none	Score	101
Exons	11799..11894, 11928..12038, 11929..12039		

Seq. No.	9660	Seq. ID	OJ990730_07.0228.C38
Gene No.	20618	Strand	-
Start	10769	End	14448
Name	OJ990730_07.0228.C38.o1.ts	Method	TBLASTX:Soybean
Start	11928	End	12521
GI	none	Score	119
Exons	11928..11981, 11997..12131, 12022..12165, 12222..12521		

Seq. No.	9660	Seq. ID	OJ990730_07.0228.C38
Gene No.	20618	Strand	-
Start	10769	End	14448
Name	OJ990730_07.0228.C38.o2.tm	Method	TBLASTX:Maize
Start	11928	End	12698
GI	none	Score	113
Exons	11928..11981, 11997..12131, 12022..12132, 12222..12530, 12382..12480, 12534..12698, 12544..12636		

Seq. No.	9660	Seq. ID	OJ990730_07.0228.C38
Gene No.	20618	Strand	-
Start	10769	End	14448
Name	OJ990730_07.0228.C38.o1.tc	Method	TBLASTX:Cress
Start	12279	End	12719
GI	none	Score	95
Exons	12279..12620, 12382..12486, 12639..12719		

Seq. No.	9661	Seq. ID	OJ990730_07.0228.C39
Gene No.	20619	Strand	+
Start	117	End	1599
Name	OJ990730_07.0228.C39.o1.gs	Method	GENSCAN
Start	117	End	1599
GI	none	Score	.68
Exons	117..253, 1446..1599		

Seq. No.	9661	Seq. ID	OJ990730_07.0228.C39
Gene No.	20620	Strand	+
Start	1821	End	2080
Name	OJ990730_07.0228.C39.o1.np	Method	AAT/NAP
Start	1821	End	2080
GI	3776564	Score	67
Exons	1821..2080		
GI Descrip.	(AC005388) Similar to hypothetical protein T1D16.16 gi|3075397 from A. thaliana BAC gb|AC004484. [Arabidopsis thaliana]		

Seq. No.	9662	Seq. ID	OJ990730_07.0228.C40
Gene No.	20621	Strand	+
Start	1	End	1032
Name	OJ990730_07.0228.C40.o1.np	Method	AAT/NAP
Start	1	End	1032
GI	3776564	Score	322
Exons	1..268, 398..459, 611..713, 788..1032		
GI Descrip.	(AC005388) Similar to hypothetical protein T1D16.16 gi|3075397 from A. thaliana BAC gb|AC004484. [Arabidopsis thaliana]		

Seq. No.	9662	Seq. ID	OJ990730_07.0228.C40
Gene No.	20622	Strand	-
Start	1600	End	2644
Name	OJ990730_07.0228.C40.o1.tm	Method	TBLASTX:Maize
Start	68	End	444
GI	none	Score	252
Exons	68..268, 80..250, 84..284, 88..285, 88..288, 394..444		

Seq. No.	9662	Seq. ID	OJ990730_07.0228.C40
Gene No.	20622	Strand	-
Start	1600	End	2644
Name	OJ990730_07.0228.C40.o2.tm	Method	TBLASTX:Maize

Start	609	End	840
GI	none	Score	150
Exons	609..713, 610..714, 611..715, 612..716, 772..840, 787..840		

Seq. No.	9662	Seq. ID	OJ990730_07.0228.C40
Gene No.	20622	Strand	-
Start	1600	End	2644
Name	OJ990730_07.0228.C40.o1.gs	Method	GENSCAN
Start	1600	End	2644
GI	none	Score	.67
Exons	1600..1722, 2273..2644		

Seq. No.	9663	Seq. ID	OJ990730_07.0228.C41
Gene No.	20623	Strand	+
Start	4770	End	4915
Name	OJ990730_07.0228.C41.o1.gp	Method	AAT/GAP
Start	4770	End	4915
GI	21474_1.R1084	Score	239
Exons	4770..4915		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	9663	Seq. ID	OJ990730_07.0228.C41
Gene No.	20624	Strand	-
Start	1699	End	7023
Name	OJ990730_07.0228.C41.o1.gs	Method	GENSCAN
Start	1699	End	7023
GI	none	Score	.84
Exons	1699..1749, 2066..2142, 3767..3900, 4154..4813, 5277..5458, 5731..5803, 6094..6267, 6377..6834, 6855..7023		

Seq. No.	9663	Seq. ID	OJ990730_07.0228.C41
Gene No.	20624	Strand	-
Start	1699	End	7023
Name	OJ990730_07.0228.C41.o1.np	Method	AAT/NAP
Start	4152	End	6285
GI	2160690	Score	365
Exons	4152..4790, 6132..6285		
GI Descrip.	(U73526) B' regulatory subunit of PP2A [Arabidopsis thaliana]		

Seq. No.	9663	Seq. ID	OJ990730_07.0228.C41
Gene No.	20624	Strand	-
Start	1699	End	7023
Name	OJ990730_07.0228.C41.o1.tc	Method	TBLASTX:Cress
Start	4182	End	4785
GI	none	Score	87
Exons	4182..4313, 4345..4512, 4388..4495, 4522..4695, 4747..4785		

Seq. No.	9663	Seq. ID	OJ990730_07.0228.C41
Gene No.	20624	Strand	-
Start	1699	End	7023
Name	OJ990730_07.0228.C41.o1.tm	Method	TBLASTX:Maize
Start	4182	End	4830
GI	none	Score	104
Exons	4182..4313, 4345..4512, 4361..4495, 4522..4695, 4747..4830		

Seq. No.	9663	Seq. ID	OJ990730_07.0228.C41

Gene No.	20624	Strand	-
Start	1699	End	7023
Name	OJ990730_07.0228.C41.o1.ts	Method	TBLASTX:Soybean
Start	4182	End	4680
GI	none	Score	49
Exons	4182..4313, 4282..4344, 4345..4512, 4361..4513, 4522..4680, 4535..4663		

Seq. No.	9663	Seq. ID	OJ990730_07.0228.C41
Gene No.	20624	Strand	-
Start	1699	End	7023
Name	OJ990730_07.0228.C41.o1.tw	Method	TBLASTX:Wheat
Start	4345	End	4638
GI	none	Score	119
Exons	4345..4512, 4361..4495, 4522..4638		

Seq. No.	9663	Seq. ID	OJ990730_07.0228.C41
Gene No.	20624	Strand	-
Start	1699	End	7023
Name	OJ990730_07.0228.C41.o2.np	Method	AAT/NAP
Start	4979	End	5226
GI	862343	Score	119
Exons	4979..5226		
GI Descrip.	(L10908) Gcap1 gene product [Mus musculus] gi|1092097|prf||2022314A granule cell marker protein [Mus musculus] gi|1092098|prf||2022315A granule cell marker protein [Mus musculus]		

Seq. No.	9663	Seq. ID	OJ990730_07.0228.C41
Gene No.	20624	Strand	-
Start	1699	End	7023
Name	OJ990730_07.0228.C41.o2.tw	Method	TBLASTX:Wheat
Start	5928	End	6450
GI	none	Score	62
Exons	5928..5999, 6099..6281, 6132..6278, 6370..6450		

Seq. No.	9663	Seq. ID	OJ990730_07.0228.C41
Gene No.	20624	Strand	-
Start	1699	End	7023
Name	OJ990730_07.0228.C41.o3.gp	Method	AAT/GAP
Start	6477	End	6954
GI	uC-osflcyp176f10b1	Score	825
Exons	6477..6954		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	9664	Seq. ID	OJ990730_07.0228.C42
Gene No.	20625	Strand	+
Start	1	End	639
Name	OJ990730_07.0228.C42.o1.np	Method	AAT/NAP
Start	1	End	639
GI	6721516	Score	217
Exons	1..21, 280..639		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	9665	Seq. ID	OJ990730_07.0228.C43

Gene No.	20626	Strand	-
Start	377	End	425
Name	OJ990730_07.0228.C43.o1.gs	Method	GENSCAN
Start	377	End	425
GI	none	Score	.64
Exons	377..425		

Seq. No.	9666	Seq. ID	OJ990730_07.0228.C44
Gene No.	20627	Strand	+
Start	297	End	389
Name	OJ990730_07.0228.C44.o1.gs	Method	GENSCAN
Start	297	End	389
GI	none	Score	.92
Exons	297..389		

Seq. No.	9667	Seq. ID	OJ990820_06.0215.C1
Gene No.	20628	Strand	+
Start	717	End	934
Name	OJ990820_06.0215.C1.o1.gs	Method	GENSCAN
Start	717	End	934
GI	none	Score	.89
Exons	717..743, 809..934		

Seq. No.	9667	Seq. ID	OJ990820_06.0215.C1
Gene No.	20629	Strand	-
Start	1182	End	1898
Name	OJ990820_06.0215.C1.o1.ts	Method	TBLASTX:Soybean
Start	1170	End	1613
GI	none	Score	75
Exons	1170..1349, 1264..1323, 1386..1481, 1386..1469, 1461..1613, 1468..1611		

Seq. No.	9667	Seq. ID	OJ990820_06.0215.C1
Gene No.	20629	Strand	-
Start	1182	End	1898
Name	OJ990820_06.0215.C1.o1.tm	Method	TBLASTX:Maize
Start	1179	End	1898
GI	none	Score	149
Exons	1179..1349, 1182..1340, 1186..1350, 1389..1616, 1389..1628, 1390..1623, 1815..1898		

Seq. No.	9667	Seq. ID	OJ990820_06.0215.C1
Gene No.	20629	Strand	-
Start	1182	End	1898
Name	OJ990820_06.0215.C1.o1.tc	Method	TBLASTX:Cress
Start	1182	End	1613
GI	none	Score	90
Exons	1182..1349, 1264..1344, 1386..1469, 1387..1443, 1461..1613, 1468..1611		

Seq. No.	9667	Seq. ID	OJ990820_06.0215.C1
Gene No.	20629	Strand	-
Start	1182	End	1898
Name	OJ990820_06.0215.C1.o2.gs	Method	GENSCAN
Start	1182	End	1611
GI	none	Score	.9
Exons	1182..1611		

Seq. No.	9667	Seq. ID	OJ990820_06.0215.C1
Gene No.	20629	Strand	-
Start	1182	End	1898
Name	OJ990820_06.0215.C1.o1.np	Method	AAT/NAP
Start	1185	End	1898
GI	2815292	Score	436
Exons	1185..1611, 1813..1898		
GI Descrip.	(Y15962) Germin-like protein 1 [Hordeum vulgare]		

Seq. No.	9667	Seq. ID	OJ990820_06.0215.C1
Gene No.	20629	Strand	-
Start	1182	End	1898
Name	OJ990820_06.0215.C1.o1.tw	Method	TBLASTX:Wheat
Start	1200	End	1613
GI	none	Score	46
Exons	1200..1352, 1205..1273, 1206..1340, 1264..1344, 1389..1610, 1389..1613, 1390..1611		

Seq. No.	9668	Seq. ID	OJ990820_06.0215.C3
Gene No.	20630	Strand	+
Start	218	End	3572
Name	OJ990820_06.0215.C3.o1.gs	Method	GENSCAN
Start	218	End	3572
GI	none	Score	.74
Exons	218..416, 1571..1661, 2763..2924, 3012..3572		

Seq. No.	9668	Seq. ID	OJ990820_06.0215.C3
Gene No.	20630	Strand	+
Start	218	End	3572
Name	OJ990820_06.0215.C3.o1.gp	Method	AAT/GAP
Start	1493	End	1874
GI	uC-osflcyp033a04b1	Score	695
Exons	1493..1874		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	9668	Seq. ID	OJ990820_06.0215.C3
Gene No.	20631	Strand	+
Start	3818	End	8338
Name	OJ990820_06.0215.C3.o2.np	Method	AAT/NAP
Start	3818	End	8338
GI	4680179	Score	5354
Exons	3818..4903, 4937..8338		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	9668	Seq. ID	OJ990820_06.0215.C3
Gene No.	20632	Strand	-
Start	113	End	546
Name	OJ990820_06.0215.C3.o1.np	Method	AAT/NAP
Start	113	End	546
GI	4680185	Score	429
Exons	113..546		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	9668	Seq. ID	OJ990820_06.0215.C3
Gene No.	20633	Strand	

Start	3520	End	8293
Name	OJ990820_06.0215.C3.o2.tw	Method	TBLASTX:Wheat
Start	3520	End	7327
GI	none	Score	52
Exons	3520..3582, 6760..7326, 6791..7327		

Seq. No.	9668	Seq. ID	OJ990820_06.0215.C3
Gene No.	20633	Strand	
Start	3520	End	8293
Name	OJ990820_06.0215.C3.o9.tw	Method	TBLASTX:Wheat
Start	4001	End	4260
GI	none	Score	211
Exons	4001..4048, 4061..4258, 4063..4260		

Seq. No.	9668	Seq. ID	OJ990820_06.0215.C3
Gene No.	20633	Strand	
Start	3520	End	8293
Name	OJ990820_06.0215.C3.o7.tw	Method	TBLASTX:Wheat
Start	4294	End	4645
GI	none	Score	293
Exons	4294..4488, 4295..4645		

Seq. No.	9668	Seq. ID	OJ990820_06.0215.C3
Gene No.	20633	Strand	
Start	3520	End	8293
Name	OJ990820_06.0215.C3.o6.tm	Method	TBLASTX:Maize
Start	4295	End	4600
GI	none	Score	232
Exons	4295..4600, 4309..4425		

Seq. No.	9668	Seq. ID	OJ990820_06.0215.C3
Gene No.	20633	Strand	
Start	3520	End	8293
Name	OJ990820_06.0215.C3.o7.tm	Method	TBLASTX:Maize
Start	4928	End	5281
GI	none	Score	182
Exons	4928..5281, 5008..5097		

Seq. No.	9668	Seq. ID	OJ990820_06.0215.C3
Gene No.	20633	Strand	
Start	3520	End	8293
Name	OJ990820_06.0215.C3.o8.tw	Method	TBLASTX:Wheat
Start	4964	End	5401
GI	none	Score	163
Exons	4964..5173, 5014..5172, 5218..5331, 5219..5332, 5360..5401		

Seq. No.	9668	Seq. ID	OJ990820_06.0215.C3
Gene No.	20633	Strand	
Start	3520	End	8293
Name	OJ990820_06.0215.C3.o5.tm	Method	TBLASTX:Maize
Start	5471	End	5857
GI	none	Score	265
Exons	5471..5857, 5479..5799		

Seq. No.	9668	Seq. ID	OJ990820_06.0215.C3
Gene No.	20633	Strand	
Start	3520	End	8293

Name	OJ990820_06.0215.C3.o4.tw	Method	TBLASTX:Wheat
Start	5497	End	5983
GI	none	Score	52
Exons	5497..5940, 5501..5551, 5606..5983		

Seq. No.	9668	Seq. ID	OJ990820_06.0215.C3
Gene No.	20633	Strand	
Start	3520	End	8293
Name	OJ990820_06.0215.C3.o3.tm	Method	TBLASTX:Maize
Start	5870	End	6370
GI	none	Score	167
Exons	5870..6049, 5878..6024, 6056..6370, 6196..6249, 6277..6327		

Seq. No.	9668	Seq. ID	OJ990820_06.0215.C3
Gene No.	20633	Strand	
Start	3520	End	8293
Name	OJ990820_06.0215.C3.o1.ts	Method	TBLASTX:Soybean
Start	5924	End	6319
GI	none	Score	57
Exons	5924..5956, 5926..5955, 5960..6319, 5962..6000, 6028..6318		

Seq. No.	9668	Seq. ID	OJ990820_06.0215.C3
Gene No.	20633	Strand	
Start	3520	End	8293
Name	OJ990820_06.0215.C3.o5.tw	Method	TBLASTX:Wheat
Start	6032	End	6334
GI	none	Score	375
Exons	6032..6334, 6034..6318		

Seq. No.	9668	Seq. ID	OJ990820_06.0215.C3
Gene No.	20633	Strand	
Start	3520	End	8293
Name	OJ990820_06.0215.C3.o3.tw	Method	TBLASTX:Wheat
Start	6335	End	6757
GI	none	Score	595
Exons	6335..6757, 6367..6756		

Seq. No.	9668	Seq. ID	OJ990820_06.0215.C3
Gene No.	20633	Strand	
Start	3520	End	8293
Name	OJ990820_06.0215.C3.o3.ts	Method	TBLASTX:Soybean
Start	6341	End	6586
GI	none	Score	197
Exons	6341..6586, 6343..6585		

Seq. No.	9668	Seq. ID	OJ990820_06.0215.C3
Gene No.	20633	Strand	
Start	3520	End	8293
Name	OJ990820_06.0215.C3.o2.tm	Method	TBLASTX:Maize
Start	6406	End	6769
GI	none	Score	481
Exons	6406..6756, 6407..6760, 6407..6769		

Seq. No.	9668	Seq. ID	OJ990820_06.0215.C3
Gene No.	20633	Strand	
Start	3520	End	8293
Name	OJ990820_06.0215.C3.o2.ts	Method	TBLASTX:Soybean

Start	7115	End	7375
GI	none	Score	290
Exons	7115..7375, 7120..7374		

Seq. No.	9668	Seq. ID	OJ990820_06.0215.C3
Gene No.	20633	Strand	
Start	3520	End	8293
Name	OJ990820_06.0215.C3.o4.tm	Method	TBLASTX:Maize
Start	7173	End	7465
GI	none	Score	75
Exons	7173..7325, 7174..7461, 7175..7465		

Seq. No.	9668	Seq. ID	OJ990820_06.0215.C3
Gene No.	20633	Strand	
Start	3520	End	8293
Name	OJ990820_06.0215.C3.o1.tw	Method	TBLASTX:Wheat
Start	7334	End	7960
GI	none	Score	683
Exons	7334..7960, 7390..7848, 7427..7957		

Seq. No.	9668	Seq. ID	OJ990820_06.0215.C3
Gene No.	20633	Strand	
Start	3520	End	8293
Name	OJ990820_06.0215.C3.o1.tm	Method	TBLASTX:Maize
Start	7514	End	8113
GI	none	Score	212
Exons	7514..7675, 7522..7668, 7673..8113, 7675..8097		

Seq. No.	9668	Seq. ID	OJ990820_06.0215.C3
Gene No.	20633	Strand	
Start	3520	End	8293
Name	OJ990820_06.0215.C3.o6.tw	Method	TBLASTX:Wheat
Start	7960	End	8293
GI	none	Score	319
Exons	7960..8229, 7961..8293, 7964..8272		

Seq. No.	9669	Seq. ID	OJ990820_06.0215.C4
Gene No.	20634	Strand	-
Start	224	End	781
Name	OJ990820_06.0215.C4.o1.gs	Method	GENSCAN
Start	224	End	781
GI	none	Score	.89
Exons	224..781		

Seq. No.	9670	Seq. ID	OJ990820_06.0215.C5
Gene No.	20635	Strand	+
Start	1317	End	1556
Name	OJ990820_06.0215.C5.o1.gs	Method	GENSCAN
Start	1317	End	1556
GI	none	Score	.65
Exons	1317..1556		

Seq. No.	9670	Seq. ID	OJ990820_06.0215.C5
Gene No.	20636	Strand	+
Start	2600	End	4212
Name	OJ990820_06.0215.C5.o2.gs	Method	GENSCAN
Start	2600	End	4212

GI	none	Score	.56
Exons	2600..2668, 2759..2947, 3188..3753, 3822..3947, 4032..4212		

Seq. No.	9670	Seq. ID	OJ990820_06.0215.C5
Gene No.	20636	Strand	+
Start	2600	End	4212
Name	OJ990820_06.0215.C5.o1.gp	Method	AAT/GAP
Start	3019	End	3472
GI	53921_1.R1084	Score	904
Exons	3019..3472		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	9670	Seq. ID	OJ990820_06.0215.C5
Gene No.	20636	Strand	+
Start	2600	End	4212
Name	OJ990820_06.0215.C5.o1.tm	Method	TBLASTX:Maize
Start	3070	End	3361
GI	none	Score	204
Exons	3070..3225, 3080..3238, 3230..3361, 3247..3360		

Seq. No.	9670	Seq. ID	OJ990820_06.0215.C5
Gene No.	20636	Strand	+
Start	2600	End	4212
Name	OJ990820_06.0215.C5.o1.tw	Method	TBLASTX:Wheat
Start	3070	End	3367
GI	none	Score	216
Exons	3070..3219, 3077..3247, 3227..3313, 3248..3322, 3253..3315, 3290..3367, 3310..3366		

Seq. No.	9670	Seq. ID	OJ990820_06.0215.C5
Gene No.	20636	Strand	+
Start	2600	End	4212
Name	OJ990820_06.0215.C5.o1.np	Method	AAT/NAP
Start	3080	End	4203
GI	4894963	Score	1056
Exons	3080..3753, 3822..3947, 4032..4203		
GI Descrip.	(AF140553) DNA-binding protein WRKY3 [Avena sativa]		

Seq. No.	9670	Seq. ID	OJ990820_06.0215.C5
Gene No.	20636	Strand	+
Start	2600	End	4212
Name	OJ990820_06.0215.C5.o2.tc	Method	TBLASTX:Cress
Start	3107	End	3364
GI	none	Score	86
Exons	3107..3193, 3118..3183, 3233..3364, 3247..3348		

Seq. No.	9670	Seq. ID	OJ990820_06.0215.C5
Gene No.	20636	Strand	+
Start	2600	End	4212
Name	OJ990820_06.0215.C5.o1.ts	Method	TBLASTX:Soybean
Start	3215	End	4158
GI	none	Score	35
Exons	3215..3247, 3248..3319, 3248..3319, 3313..3345, 3314..3358, 3688..3747, 3689..3751, 3817..3972, 3819..3944, 4029..4136, 4030..4158		

Seq. No.	9670	Seq. ID	OJ990820_06.0215.C5
Gene No.	20636	Strand	+
Start	2600	End	4212
Name	OJ990820_06.0215.C5.o1.tc	Method	TBLASTX:Cress
Start	3659	End	4152
GI	none	Score	91
Exons	3659..3754, 3661..3759, 3817..3948, 3822..3947, 4030..4152, 4032..4139		

Seq. No.	9670	Seq. ID	OJ990820_06.0215.C5
Gene No.	20636	Strand	+
Start	2600	End	4212
Name	OJ990820_06.0215.C5.o2.tm	Method	TBLASTX:Maize
Start	3719	End	4146
GI	none	Score	59
Exons	3719..3754, 3819..3944, 3820..3972, 4029..4142, 4030..4146		

Seq. No.	9670	Seq. ID	OJ990820_06.0215.C5
Gene No.	20636	Strand	+
Start	2600	End	4212
Name	OJ990820_06.0215.C5.o2.tw	Method	TBLASTX:Wheat
Start	3719	End	4146
GI	none	Score	65
Exons	3719..3754, 3819..3944, 3820..3972, 3994..4116, 4029..4142, 4030..4146		

Seq. No.	9671	Seq. ID	OJ990820_06.0215.C6
Gene No.	20637	Strand	-
Start	1	End	1605
Name	OJ990820_06.0215.C6.o1.np	Method	AAT/NAP
Start	1	End	1605
GI	6815097	Score	1287
Exons	1..510, 652..1605		
GI Descrip.	(AP001081) Similar to putative copia polyprotein (AC006248) [Oryza sativa]		

Seq. No.	9671	Seq. ID	OJ990820_06.0215.C6
Gene No.	20637	Strand	-
Start	1	End	1605
Name	OJ990820_06.0215.C6.o1.tm	Method	TBLASTX:Maize
Start	1	End	237
GI	none	Score	141
Exons	1..237, 8..226		

Seq. No.	9671	Seq. ID	OJ990820_06.0215.C6
Gene No.	20637	Strand	-
Start	1	End	1605
Name	OJ990820_06.0215.C6.o2.ts	Method	TBLASTX:Soybean
Start	4	End	256
GI	none	Score	59
Exons	4..255, 134..256		

Seq. No.	9671	Seq. ID	OJ990820_06.0215.C6
Gene No.	20637	Strand	-
Start	1	End	1605
Name	OJ990820_06.0215.C6.o1.gs	Method	GENSCAN
Start	219	End	1529

GI	none	Score	.93
Exons	219..677, 783..872, 1020..1529		

Seq. No.	9671	Seq. ID	OJ990820_06.0215.C6
Gene No.	20637	Strand	-
Start	1	End	1605
Name	OJ990820_06.0215.C6.o1.tw	Method	TBLASTX:Wheat
Start	573	End	1031
GI	none	Score	152
Exons	573..650, 672..758, 792..1031		

Seq. No.	9671	Seq. ID	OJ990820_06.0215.C6
Gene No.	20637	Strand	-
Start	1	End	1605
Name	OJ990820_06.0215.C6.o2.tm	Method	TBLASTX:Maize
Start	588	End	1022
GI	none	Score	138
Exons	588..758, 798..1022		

Seq. No.	9671	Seq. ID	OJ990820_06.0215.C6
Gene No.	20637	Strand	-
Start	1	End	1605
Name	OJ990820_06.0215.C6.o1.ts	Method	TBLASTX:Soybean
Start	679	End	1124
GI	5509260	Score	82
Exons	679..759, 687..758, 786..1124, 918..1070		
GI Descrip.	-		

Seq. No.	9671	Seq. ID	OJ990820_06.0215.C6
Gene No.	20637	Strand	-
Start	1	End	1605
Name	OJ990820_06.0215.C6.o1.tc	Method	TBLASTX:Cress
Start	810	End	1071
GI	none	Score	80
Exons	810..1070, 811..1071		

Seq. No.	9672	Seq. ID	OJ990820_06.0215.C7
Gene No.	20638	Strand	-
Start	1	End	1923
Name	OJ990820_06.0215.C7.o1.np	Method	AAT/NAP
Start	1	End	1848
GI	6815097	Score	798
Exons	1..475, 981..1848		
GI Descrip.	(AP001081) Similar to putative copia polyprotein (AC006248) [Oryza sativa]		

Seq. No.	9672	Seq. ID	OJ990820_06.0215.C7
Gene No.	20638	Strand	-
Start	1	End	1923
Name	OJ990820_06.0215.C7.o1.gs	Method	GENSCAN
Start	89	End	1923
GI	none	Score	.72
Exons	89..572, 845..929, 1136..1308, 1327..1923		

Seq. No.	9672	Seq. ID	OJ990820_06.0215.C7
Gene No.	20638	Strand	-
Start	1	End	1923

Name	OJ990820_06.0215.C7.o1.tc	Method	TBLASTX:Cress
Start	1510	End	1782
GI	none	Score	187
Exons	1510..1782		

Seq. No.	9673	Seq. ID	OJ990820_06.0215.C8
Gene No.	20639	Strand	+
Start	170	End	1706
Name	OJ990820_06.0215.C8.o1.gs	Method	GENSCAN
Start	170	End	1706
GI	none	Score	.52
Exons	170..230, 258..421, 648..822, 854..1096, 1645..1706		

Seq. No.	9674	Seq. ID	OJ990820_06.0215.C10
Gene No.	20640	Strand	+
Start	1	End	6860
Name	OJ990820_06.0215.C10.o1.np	Method	AAT/NAP
Start	1	End	2230
GI	4680179	Score	3660
Exons	1..2230		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	9674	Seq. ID	OJ990820_06.0215.C10
Gene No.	20640	Strand	+
Start	1	End	6860
Name	OJ990820_06.0215.C10.o1.gs	Method	GENSCAN
Start	353	End	6860
GI	none	Score	.48
Exons	353..980, 1257..1445, 1671..2095, 2877..3041, 3058..3172, 3264..3350, 3499..3674, 4524..4643, 5894..6487, 6531..6860		

Seq. No.	9674	Seq. ID	OJ990820_06.0215.C10
Gene No.	20640	Strand	+
Start	1	End	6860
Name	OJ990820_06.0215.C10.o3.np	Method	AAT/NAP
Start	5960	End	6857
GI	5042448	Score	1324
Exons	5960..6547, 6588..6857		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	9674	Seq. ID	OJ990820_06.0215.C10
Gene No.	20641	Strand	+
Start	7117	End	14508
Name	OJ990820_06.0215.C10.o2.gs	Method	GENSCAN
Start	7117	End	14508
GI	none	Score	.59
Exons	7117..8305, 9089..9431, 11988..13024, 13391..14508		

Seq. No.	9674	Seq. ID	OJ990820_06.0215.C10
Gene No.	20641	Strand	+
Start	7117	End	14508
Name	OJ990820_06.0215.C10.o4.np	Method	AAT/NAP
Start	7117	End	9478
GI	4680179	Score	2070
Exons	7117..8424, 9410..9478		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	9674	Seq. ID	OJ990820_06.0215.C10
Gene No.	20641	Strand	+
Start	7117	End	14508
Name	OJ990820_06.0215.C10.o1.gp	Method	AAT/GAP
Start	10505	End	10886
GI	uC-osflcyp033a04b1	Score	687
Exons	10505..10886		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	9674	Seq. ID	OJ990820_06.0215.C10
Gene No.	20642	Strand	+
Start	14827	End	15573
Name	OJ990820_06.0215.C10.o3.gs	Method	GENSCAN
Start	14827	End	15573
GI	none	Score	.42
Exons	14827..15573		

Seq. No.	9674	Seq. ID	OJ990820_06.0215.C10
Gene No.	20643	Strand	-
Start	4417	End	16759
Name	OJ990820_06.0215.C10.o6.tw	Method	TBLASTX:Wheat
Start	1	End	226
GI	none	Score	275
Exons	1..225, 2..226		

Seq. No.	9674	Seq. ID	OJ990820_06.0215.C10
Gene No.	20643	Strand	-
Start	4417	End	16759
Name	OJ990820_06.0215.C10.o2.ts	Method	TBLASTX:Soybean
Start	2	End	211
GI	none	Score	244
Exons	2..211, 13..210		

Seq. No.	9674	Seq. ID	OJ990820_06.0215.C10
Gene No.	20643	Strand	-
Start	4417	End	16759
Name	OJ990820_06.0215.C10.o4.tm	Method	TBLASTX:Maize
Start	11	End	298
GI	none	Score	274
Exons	11..298, 13..183		

Seq. No.	9674	Seq. ID	OJ990820_06.0215.C10
Gene No.	20643	Strand	-
Start	4417	End	16759
Name	OJ990820_06.0215.C10.o2.tw	Method	TBLASTX:Wheat
Start	227	End	742
GI	none	Score	624
Exons	227..742, 259..567, 305..652		

Seq. No.	9674	Seq. ID	OJ990820_06.0215.C10
Gene No.	20643	Strand	-
Start	4417	End	16759
Name	OJ990820_06.0215.C10.o3.ts	Method	TBLASTX:Soybean
Start	233	End	478
GI	none	Score	187

Exons	233..478, 256..477		
Seq. No.	9674	Seq. ID	OJ990820_06.0215.C10
Gene No.	20643	Strand	-
Start	4417	End	16759
Name	OJ990820_06.0215.C10.o2.tm	Method	TBLASTX:Maize
Start	299	End	661
GI	none	Score	483
Exons	299..652, 301..567, 302..661, 352..657		
Seq. No.	9674	Seq. ID	OJ990820_06.0215.C10
Gene No.	20643	Strand	-
Start	4417	End	16759
Name	OJ990820_06.0215.C10.o3.tw	Method	TBLASTX:Wheat
Start	743	End	1219
GI	none	Score	561
Exons	743..1219, 773..1207, 964..1218		
Seq. No.	9674	Seq. ID	OJ990820_06.0215.C10
Gene No.	20643	Strand	-
Start	4417	End	16759
Name	OJ990820_06.0215.C10.o1.ts	Method	TBLASTX:Soybean
Start	1012	End	1267
GI	none	Score	269
Exons	1012..1266, 1013..1267		
Seq. No.	9674	Seq. ID	OJ990820_06.0215.C10
Gene No.	20643	Strand	-
Start	4417	End	16759
Name	OJ990820_06.0215.C10.o3.tm	Method	TBLASTX:Maize
Start	1066	End	1357
GI	none	Score	375
Exons	1066..1353, 1067..1357, 1068..1355		
Seq. No.	9674	Seq. ID	OJ990820_06.0215.C10
Gene No.	20643	Strand	-
Start	4417	End	16759
Name	OJ990820_06.0215.C10.o1.tw	Method	TBLASTX:Wheat
Start	1226	End	1852
GI	none	Score	703
Exons	1226..1852, 1228..1851		
Seq. No.	9674	Seq. ID	OJ990820_06.0215.C10
Gene No.	20643	Strand	-
Start	4417	End	16759
Name	OJ990820_06.0215.C10.o1.tm	Method	TBLASTX:Maize
Start	1406	End	2005
GI	none	Score	226
Exons	1406..1567, 1414..1560, 1565..2005, 1567..1662, 1732..1992		
Seq. No.	9674	Seq. ID	OJ990820_06.0215.C10
Gene No.	20643	Strand	-
Start	4417	End	16759
Name	OJ990820_06.0215.C10.o4.tw	Method	TBLASTX:Wheat
Start	1853	End	2185
GI	none	Score	358
Exons	1853..2185, 1880..1960, 1945..2184		

Seq. No.	9674	Seq. ID	OJ990820_06.0215.C10
Gene No.	20643	Strand	-
Start	4417	End	16759
Name	OJ990820_06.0215.C10.o6.tm	Method	TBLASTX:Maize
Start	2009	End	2206
GI	none	Score	184
Exons	2009..2206		

Seq. No.	9674	Seq. ID	OJ990820_06.0215.C10
Gene No.	20643	Strand	-
Start	4417	End	16759
Name	OJ990820_06.0215.C10.o5.tw	Method	TBLASTX:Wheat
Start	3170	End	7734
GI	none	Score	72
Exons	3170..3262, 7371..7475, 7375..7734, 7405..7725, 7500..7733		

Seq. No.	9674	Seq. ID	OJ990820_06.0215.C10
Gene No.	20643	Strand	-
Start	4417	End	16759
Name	OJ990820_06.0215.C10.o2.np	Method	AAT/NAP
Start	4417	End	16759
GI	4680183	Score	194
Exons	4417..4506, 5116..5221, 16720..16759		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	9674	Seq. ID	OJ990820_06.0215.C10
Gene No.	20643	Strand	-
Start	4417	End	16759
Name	OJ990820_06.0215.C10.o5.tm	Method	TBLASTX:Maize
Start	7615	End	7911
GI	none	Score	205
Exons	7615..7911, 7656..7802, 7843..7899		

Seq. No.	9674	Seq. ID	OJ990820_06.0215.C10
Gene No.	20643	Strand	-
Start	4417	End	16759
Name	OJ990820_06.0215.C10.o7.tw	Method	TBLASTX:Wheat
Start	8181	End	8387
GI	none	Score	63
Exons	8181..8222, 8182..8229, 8245..8385, 8259..8378, 8325..8387		

Seq. No.	9674	Seq. ID	OJ990820_06.0215.C10
Gene No.	20643	Strand	-
Start	4417	End	16759
Name	OJ990820_06.0215.C10.o5.np	Method	AAT/NAP
Start	9164	End	14381
GI	5852180	Score	496
Exons	9164..9586, 9638..9755, 10735..10792, 14283..14381		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	9674	Seq. ID	OJ990820_06.0215.C10
Gene No.	20643	Strand	-
Start	4417	End	16759
Name	OJ990820_06.0215.C10.o4.gs	Method	GENSCAN
Start	16346	End	16497
GI	none	Score	.63

Exons	16346..16430, 16436..16497		
Seq. No.	9675	Seq. ID	OJ990820_06.0215.C11
Gene No.	20644	Strand	+
Start	1	End	1294
Name	OJ990820_06.0215.C11.o1.np	Method	AAT/NAP
Start	1	End	1294
GI	5042447	Score	694
Exons	1..146, 805..1294		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		
Seq. No.	9675	Seq. ID	OJ990820_06.0215.C11
Gene No.	20644	Strand	+
Start	1	End	1294
Name	OJ990820_06.0215.C11.o1.gs	Method	GENSCAN
Start	118	End	1248
GI	none	Score	.8
Exons	118..252, 869..1248		
Seq. No.	9675	Seq. ID	OJ990820_06.0215.C11
Gene No.	20644	Strand	+
Start	1	End	1294
Name	OJ990820_06.0215.C11.o1.tw	Method	TBLASTX:Wheat
Start	1039	End	1293
GI	none	Score	278
Exons	1039..1293, 1143..1289, 1150..1293		
Seq. No.	9675	Seq. ID	OJ990820_06.0215.C11
Gene No.	20644	Strand	+
Start	1	End	1294
Name	OJ990820_06.0215.C11.o1.tm	Method	TBLASTX:Maize
Start	1050	End	1293
GI	none	Score	266
Exons	1050..1088, 1051..1293, 1147..1272, 1149..1292		
Seq. No.	9676	Seq. ID	OJ990820_06.0215.C12
Gene No.	20645	Strand	+
Start	1	End	549
Name	OJ990820_06.0215.C12.o1.np	Method	AAT/NAP
Start	1	End	549
GI	1168553	Score	274
Exons	1..549		
GI Descrip.	ACETOACETATE METABOLISM REGULATORY PROTEIN ATOC (ORNITHINE/ARGININE DECARBOXYLASE INHIBITOR) (ORNITHINE DECARBOXYLASE ANTIZYME) gi|619917 (U17902) NtrC/NifA-like protein regulator [Escherichia coli] gi|1736875|dbj|BAA16016| (D90851) Acetoacetate metabolism regulatory protein AtoC (Ornithine / Arginine decarboxylase inhibitor) (Ornithine decarboxylase antizyme). [Es		
Seq. No.	9676	Seq. ID	OJ990820_06.0215.C12
Gene No.	20645	Strand	+
Start	1	End	549
Name	OJ990820_06.0215.C12.o1.gs	Method	GENSCAN
Start	138	End	402
GI	none	Score	.98
Exons	138..402		

Seq. No.	9677	Seq. ID	OJ990820_06.0215.C13
Gene No.	20646	Strand	+
Start	339	End	1473
Name	OJ990820_06.0215.C13.o1.np	Method	AAT/NAP
Start	339	End	1365
GI	4680179	Score	412
Exons	339..1365		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	9677	Seq. ID	OJ990820_06.0215.C13
Gene No.	20646	Strand	+
Start	339	End	1473
Name	OJ990820_06.0215.C13.o1.gs	Method	GENSCAN
Start	738	End	1473
GI	none	Score	.46
Exons	738..982, 1344..1473		

Seq. No.	9678	Seq. ID	OJ990820_06.0215.C14
Gene No.	20647	Strand	-
Start	1919	End	3127
Name	OJ990820_06.0215.C14.o2.gs	Method	GENSCAN
Start	1919	End	3127
GI	none	Score	.73
Exons	1919..1995, 2224..2289, 2980..3127		

Seq. No.	9679	Seq. ID	OJ990820_06.0215.C15
Gene No.	20648	Strand	+
Start	535	End	4810
Name	OJ990820_06.0215.C15.o1.np	Method	AAT/NAP
Start	535	End	4810
GI	6466937	Score	1219
Exons	535..554, 2247..4810		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	9679	Seq. ID	OJ990820_06.0215.C15
Gene No.	20648	Strand	+
Start	535	End	4810
Name	OJ990820_06.0215.C15.o1.tw	Method	TBLASTX:Wheat
Start	3658	End	4144
GI	none	Score	373
Exons	3658..4140, 3662..4144		

Seq. No.	9679	Seq. ID	OJ990820_06.0215.C15
Gene No.	20648	Strand	+
Start	535	End	4810
Name	OJ990820_06.0215.C15.o2.ts	Method	TBLASTX:Soybean
Start	3701	End	3901
GI	none	Score	213
Exons	3701..3901, 3704..3901		

Seq. No.	9679	Seq. ID	OJ990820_06.0215.C15
Gene No.	20648	Strand	+
Start	535	End	4810
Name	OJ990820_06.0215.C15.o1.tm	Method	TBLASTX:Maize
Start	3722	End	4198

GI	none	Score	591
Exons	3722..4198, 3727..3828, 3868..4179		
Seq. No.	9679	Seq. ID	OJ990820_06.0215.C15
Gene No.	20648	Strand	+
Start	535	End	4810
Name	OJ990820_06.0215.C15.o1.ts	Method	TBLASTX:Soybean
Start	4121	End	4480
GI	none	Score	305
Exons	4121..4480, 4138..4479		
Seq. No.	9679	Seq. ID	OJ990820_06.0215.C15
Gene No.	20648	Strand	+
Start	535	End	4810
Name	OJ990820_06.0215.C15.o2.tw	Method	TBLASTX:Wheat
Start	4196	End	4561
GI	none	Score	326
Exons	4196..4561, 4228..4560		
Seq. No.	9679	Seq. ID	OJ990820_06.0215.C15
Gene No.	20648	Strand	+
Start	535	End	4810
Name	OJ990820_06.0215.C15.o2.tm	Method	TBLASTX:Maize
Start	4213	End	4773
GI	none	Score	67
Exons	4213..4494, 4217..4570, 4231..4569, 4577..4744, 4581..4745, 4581..4766, 4582..4773		
Seq. No.	9680	Seq. ID	OJ990820_06.0215.C16
Gene No.	20649	Strand	+
Start	1	End	1358
Name	OJ990820_06.0215.C16.o1.np	Method	AAT/NAP
Start	1	End	1358
GI	6466937	Score	910
Exons	1..1358		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		
Seq. No.	9680	Seq. ID	OJ990820_06.0215.C16
Gene No.	20650	Strand	+
Start	1912	End	12829
Name	OJ990820_06.0215.C16.o1.tm	Method	TBLASTX:Maize
Start	4	End	642
GI	none	Score	141
Exons	4..141, 6..551, 178..561, 304..564, 571..642, 572..640		
Seq. No.	9680	Seq. ID	OJ990820_06.0215.C16
Gene No.	20650	Strand	+
Start	1912	End	12829
Name	OJ990820_06.0215.C16.o4.ts	Method	TBLASTX:Soybean
Start	28	End	411
GI	none	Score	72
Exons	28..123, 141..410, 181..411		
Seq. No.	9680	Seq. ID	OJ990820_06.0215.C16
Gene No.	20650	Strand	+
Start	1912	End	12829

Name	OJ990820_06.0215.C16.o5.tw	Method	TBLASTX:Wheat
Start	259	End	640
GI	none	Score	246
Exons	259..552, 351..560, 569..640		

Seq. No.	9680	Seq. ID	OJ990820_06.0215.C16
Gene No.	20650	Strand	+
Start	1912	End	12829
Name	OJ990820_06.0215.C16.o2.tm	Method	TBLASTX:Maize
Start	704	End	1360
GI	none	Score	326
Exons	704..1009, 728..916, 811..1008, 1040..1273, 1169..1252, 1298..1360, 1333..1359		

Seq. No.	9680	Seq. ID	OJ990820_06.0215.C16
Gene No.	20650	Strand	+
Start	1912	End	12829
Name	OJ990820_06.0215.C16.o3.tw	Method	TBLASTX:Wheat
Start	722	End	1009
GI	none	Score	333
Exons	722..1009, 722..1000, 928..1008		

Seq. No.	9680	Seq. ID	OJ990820_06.0215.C16
Gene No.	20650	Strand	+
Start	1912	End	12829
Name	OJ990820_06.0215.C16.o2.np	Method	AAT/NAP
Start	1912	End	12829
GI	5295971	Score	2930
Exons	1912..2232, 2316..2400, 3176..3746, 6032..6371, 6405..6970, 10111..12829		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	9680	Seq. ID	OJ990820_06.0215.C16
Gene No.	20650	Strand	+
Start	1912	End	12829
Name	OJ990820_06.0215.C16.o8.tm	Method	TBLASTX:Maize
Start	3289	End	3555
GI	none	Score	215
Exons	3289..3555, 3303..3461		

Seq. No.	9680	Seq. ID	OJ990820_06.0215.C16
Gene No.	20650	Strand	+
Start	1912	End	12829
Name	OJ990820_06.0215.C16.o6.tm	Method	TBLASTX:Maize
Start	6509	End	6964
GI	none	Score	38
Exons	6509..6595, 6570..6746, 6571..6804, 6572..6964		

Seq. No.	9680	Seq. ID	OJ990820_06.0215.C16
Gene No.	20650	Strand	+
Start	1912	End	12829
Name	OJ990820_06.0215.C16.o4.tw	Method	TBLASTX:Wheat
Start	6593	End	6958
GI	none	Score	276
Exons	6593..6958, 6601..6828		

Seq. No.	9680	Seq. ID	OJ990820_06.0215.C16
Gene No.	20650	Strand	+
Start	1912	End	12829
Name	OJ990820_06.0215.C16.o5.ts	Method	TBLASTX:Soybean
Start	10123	End	10457
GI	none	Score	248
Exons	10123..10431, 10155..10457, 10219..10299		

Seq. No.	9680	Seq. ID	OJ990820_06.0215.C16
Gene No.	20650	Strand	+
Start	1912	End	12829
Name	OJ990820_06.0215.C16.o2.tw	Method	TBLASTX:Wheat
Start	10258	End	10818
GI	none	Score	341
Exons	10258..10719, 10479..10718, 10723..10818		

Seq. No.	9680	Seq. ID	OJ990820_06.0215.C16
Gene No.	20650	Strand	+
Start	1912	End	12829
Name	OJ990820_06.0215.C16.o5.tm	Method	TBLASTX:Maize
Start	10465	End	10889
GI	none	Score	373
Exons	10465..10812, 10479..10811, 10827..10889		

Seq. No.	9680	Seq. ID	OJ990820_06.0215.C16
Gene No.	20650	Strand	+
Start	1912	End	12829
Name	OJ990820_06.0215.C16.o2.ts	Method	TBLASTX:Soybean
Start	10492	End	10967
GI	none	Score	317
Exons	10492..10803, 10497..10760, 10812..10967		

Seq. No.	9680	Seq. ID	OJ990820_06.0215.C16
Gene No.	20650	Strand	+
Start	1912	End	12829
Name	OJ990820_06.0215.C16.o3.tc	Method	TBLASTX:Cress
Start	10531	End	10949
GI	none	Score	167
Exons	10531..10800, 10839..10949		

Seq. No.	9680	Seq. ID	OJ990820_06.0215.C16
Gene No.	20650	Strand	+
Start	1912	End	12829
Name	OJ990820_06.0215.C16.o1.ts	Method	TBLASTX:Soybean
Start	11283	End	11786
GI	5509260	Score	433
Exons	11283..11786, 11321..11572, 11612..11704		
GI Descrip.	-		

Seq. No.	9680	Seq. ID	OJ990820_06.0215.C16
Gene No.	20650	Strand	+
Start	1912	End	12829
Name	OJ990820_06.0215.C16.o4.tm	Method	TBLASTX:Maize
Start	11310	End	11630
GI	none	Score	404
Exons	11310..11630, 11321..11629		

Seq. No.	9680	Seq. ID	OJ990820_06.0215.C16
Gene No.	20650	Strand	+
Start	1912	End	12829
Name	OJ990820_06.0215.C16.o2.tc	Method	TBLASTX:Cress
Start	11396	End	11669
GI	none	Score	243
Exons	11396..11581, 11397..11669		

Seq. No.	9680	Seq. ID	OJ990820_06.0215.C16
Gene No.	20650	Strand	+
Start	1912	End	12829
Name	OJ990820_06.0215.C16.o1.tw	Method	TBLASTX:Wheat
Start	11450	End	11996
GI	none	Score	313
Exons	11450..11581, 11451..11795, 11612..11683, 11787..11996		

Seq. No.	9680	Seq. ID	OJ990820_06.0215.C16
Gene No.	20650	Strand	+
Start	1912	End	12829
Name	OJ990820_06.0215.C16.o7.tm	Method	TBLASTX:Maize
Start	11631	End	12026
GI	none	Score	256
Exons	11631..12026		

Seq. No.	9680	Seq. ID	OJ990820_06.0215.C16
Gene No.	20650	Strand	+
Start	1912	End	12829
Name	OJ990820_06.0215.C16.o3.tm	Method	TBLASTX:Maize
Start	12093	End	12548
GI	none	Score	275
Exons	12093..12332, 12096..12305, 12318..12548, 12347..12547		

Seq. No.	9680	Seq. ID	OJ990820_06.0215.C16
Gene No.	20650	Strand	+
Start	1912	End	12829
Name	OJ990820_06.0215.C16.o1.tc	Method	TBLASTX:Cress
Start	12120	End	12686
GI	none	Score	190
Exons	12120..12314, 12158..12304, 12324..12431, 12358..12429, 12426..12548, 12428..12562, 12546..12686, 12587..12685		

Seq. No.	9680	Seq. ID	OJ990820_06.0215.C16
Gene No.	20650	Strand	+
Start	1912	End	12829
Name	OJ990820_06.0215.C16.o3.ts	Method	TBLASTX:Soybean
Start	12153	End	12793
GI	none	Score	133
Exons	12153..12326, 12302..12547, 12342..12698, 12617..12655, 12689..12793		

Seq. No.	9680	Seq. ID	OJ990820_06.0215.C16
Gene No.	20650	Strand	+
Start	1912	End	12829
Name	OJ990820_06.0215.C16.o6.tw	Method	TBLASTX:Wheat
Start	12315	End	12766
GI	none	Score	129

Exons	12315..12551, 12549..12686, 12695..12766		
Seq. No.	9680	Seq. ID	OJ990820_06.0215.C16
Gene No.	20650	Strand	+
Start	1912	End	12829
Name	OJ990820_06.0215.C16.o9.tm	Method	TBLASTX:Maize
Start	12549	End	12793
GI	none	Score	153
Exons	12549..12701, 12554..12688, 12695..12793		
Seq. No.	9681	Seq. ID	OJ990820_06.0215.C18
Gene No.	20651	Strand	-
Start	1	End	434
Name	OJ990820_06.0215.C18.o1.np	Method	AAT/NAP
Start	1	End	434
GI	2943742	Score	340
Exons	1..225, 261..434		
GI Descrip.	(AB002266) XA1 [Oryza sativa]		
Seq. No.	9682	Seq. ID	OJ990820_06.0215.C19
Gene No.	20652	Strand	+
Start	54	End	3292
Name	OJ990820_06.0215.C19.o1.gs	Method	GENSCAN
Start	54	End	3292
GI	none	Score	.52
Exons	54..220, 3031..3292		
Seq. No.	9682	Seq. ID	OJ990820_06.0215.C19
Gene No.	20653	Strand	+
Start	10095	End	12192
Name	OJ990820_06.0215.C19.o3.gs	Method	GENSCAN
Start	10095	End	12192
GI	none	Score	.46
Exons	10095..10430, 10519..10550, 10918..11186, 11429..12192		
Seq. No.	9682	Seq. ID	OJ990820_06.0215.C19
Gene No.	20654	Strand	-
Start	1	End	8312
Name	OJ990820_06.0215.C19.o1.np	Method	AAT/NAP
Start	1	End	8312
GI	2943742	Score	644
Exons	1..182, 5734..5984, 7948..8312		
GI Descrip.	(AB002266) XA1 [Oryza sativa]		
Seq. No.	9682	Seq. ID	OJ990820_06.0215.C19
Gene No.	20654	Strand	-
Start	1	End	8312
Name	OJ990820_06.0215.C19.o2.gs	Method	GENSCAN
Start	4410	End	8312
GI	none	Score	.47
Exons	4410..4578, 5734..6013, 8009..8312		
Seq. No.	9682	Seq. ID	OJ990820_06.0215.C19
Gene No.	20655	Strand	
Start	11599	End	12060
Name	OJ990820_06.0215.C19.o1.tm	Method	TBLASTX:Maize
Start	11599	End	12060

GI	none	Score	151
Exons	11599..11775, 11652..11756, 11833..12060, 11862..12050		

Seq. No.	9683	Seq. ID	OJ990820_06.0215.C21
Gene No.	20656	Strand	-
Start	1	End	727
Name	OJ990820_06.0215.C21.o1.np	Method	AAT/NAP
Start	1	End	727
GI	2943742	Score	416
Exons	1..727		
GI Descrip.	(AB002266) XA1 [Oryza sativa]		

Seq. No.	9684	Seq. ID	OJ990820_01.0210.C1
Gene No.	20657	Strand	-
Start	1	End	536
Name	OJ990820_01.0210.C1.o1.np	Method	AAT/NAP
Start	1	End	536
GI	5091610	Score	434
Exons	1..174, 272..536		
GI Descrip.	(AC007858) 10A19I.15 [Oryza sativa]		

Seq. No.	9684	Seq. ID	OJ990820_01.0210.C1
Gene No.	20658	Strand	-
Start	916	End	2337
Name	OJ990820_01.0210.C1.o3.tm	Method	TBLASTX:Maize
Start	210	End	515
GI	none	Score	248
Exons	210..515, 226..507		

Seq. No.	9684	Seq. ID	OJ990820_01.0210.C1
Gene No.	20658	Strand	-
Start	916	End	2337
Name	OJ990820_01.0210.C1.o2.np	Method	AAT/NAP
Start	916	End	2337
GI	6967112	Score	381
Exons	916..1380, 1465..1691, 1779..1903, 2293..2337		
GI Descrip.	(AL138652) putative protein [Arabidopsis thaliana]		

Seq. No.	9684	Seq. ID	OJ990820_01.0210.C1
Gene No.	20658	Strand	-
Start	916	End	2337
Name	OJ990820_01.0210.C1.o1.tm	Method	TBLASTX:Maize
Start	1069	End	1597
GI	none	Score	151
Exons	1069..1185, 1069..1182, 1172..1267, 1182..1262, 1249..1437, 1259..1438, 1263..1382, 1263..1439, 1264..1407, 1461..1595, 1462..1596, 1462..1596, 1463..1597		

Seq. No.	9684	Seq. ID	OJ990820_01.0210.C1
Gene No.	20658	Strand	-
Start	916	End	2337
Name	OJ990820_01.0210.C1.o1.ts	Method	TBLASTX:Soybean
Start	1093	End	1399
GI	none	Score	77
Exons	1093..1155, 1175..1399, 1293..1382		

Seq. No.	9684	Seq. ID	OJ990820_01.0210.C1

Gene No.	20658	Strand	-
Start	916	End	2337
Name	OJ990820_01.0210.C1.o1.tw	Method	TBLASTX:Wheat
Start	1178	End	1633
GI	none	Score	69
Exons	1178..1276, 1289..1381, 1496..1633, 1501..1593		

Seq. No.	9684	Seq. ID	OJ990820_01.0210.C1
Gene No.	20658	Strand	-
Start	916	End	2337
Name	OJ990820_01.0210.C1.o2.tm	Method	TBLASTX:Maize
Start	1791	End	2290
GI	none	Score	423
Exons	1791..2288, 1791..2288, 1804..2289, 1823..2290		

Seq. No.	9685	Seq. ID	OJ990820_01.0210.C2
Gene No.	20659	Strand	+
Start	4315	End	6333
Name	OJ990820_01.0210.C2.o2.np	Method	AAT/NAP
Start	4181	End	6333
GI	2580440	Score	113
Exons	4181..4357, 4479..4626, 4688..5005, 6274..6333		
GI Descrip.	(D87261) PCF2 [Oryza sativa]		

Seq. No.	9685	Seq. ID	OJ990820_01.0210.C2
Gene No.	20659	Strand	+
Start	4315	End	6333
Name	OJ990820_01.0210.C2.o3.gs	Method	GENSCAN
Start	4315	End	5248
GI	none	Score	.62
Exons	4315..4500, 4667..5248		

Seq. No.	9685	Seq. ID	OJ990820_01.0210.C2
Gene No.	20660	Strand	+
Start	8460	End	8847
Name	OJ990820_01.0210.C2.o3.np	Method	AAT/NAP
Start	8460	End	8847
GI	5441880	Score	424
Exons	8460..8847		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	9685	Seq. ID	OJ990820_01.0210.C2
Gene No.	20661	Strand	-
Start	1	End	3764
Name	OJ990820_01.0210.C2.o1.np	Method	AAT/NAP
Start	1	End	3764
GI	2586082	Score	2129
Exons	1..58, 195..310, 744..2363, 2817..3764		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	9685	Seq. ID	OJ990820_01.0210.C2
Gene No.	20661	Strand	-
Start	1	End	3764
Name	OJ990820_01.0210.C2.o1.gs	Method	GENSCAN
Start	338	End	2512

GI	none	Score	.63
Exons	338..388, 682..1008, 1675..1743, 1957..2512		

Seq. No.	9685	Seq. ID	OJ990820_01.0210.C2
Gene No.	20661	Strand	-
Start	1	End	3764
Name	OJ990820_01.0210.C2.o2.gs	Method	GENSCAN
Start	2795	End	3755
GI	none	Score	.52
Exons	2795..3442, 3510..3755		

Seq. No.	9685	Seq. ID	OJ990820_01.0210.C2
Gene No.	20662	Strand	-
Start	5838	End	6930
Name	OJ990820_01.0210.C2.o1.tc	Method	TBLASTX:Cress
Start	1073	End	1538
GI	none	Score	71
Exons	1073..1165, 1140..1538, 1176..1421		

Seq. No.	9685	Seq. ID	OJ990820_01.0210.C2
Gene No.	20662	Strand	-
Start	5838	End	6930
Name	OJ990820_01.0210.C2.o2.tw	Method	TBLASTX:Wheat
Start	1073	End	1421
GI	none	Score	201
Exons	1073..1159, 1140..1421		

Seq. No.	9685	Seq. ID	OJ990820_01.0210.C2
Gene No.	20662	Strand	-
Start	5838	End	6930
Name	OJ990820_01.0210.C2.o2.tm	Method	TBLASTX:Maize
Start	1137	End	1496
GI	none	Score	232
Exons	1137..1496		

Seq. No.	9685	Seq. ID	OJ990820_01.0210.C2
Gene No.	20662	Strand	-
Start	5838	End	6930
Name	OJ990820_01.0210.C2.o1.ts	Method	TBLASTX:Soybean
Start	1152	End	1526
GI	none	Score	234
Exons	1152..1526		

Seq. No.	9685	Seq. ID	OJ990820_01.0210.C2
Gene No.	20662	Strand	-
Start	5838	End	6930
Name	OJ990820_01.0210.C2.o1.tw	Method	TBLASTX:Wheat
Start	2021	End	2356
GI	none	Score	73
Exons	2021..2353, 2038..2256, 2043..2354, 2132..2356		

Seq. No.	9685	Seq. ID	OJ990820_01.0210.C2
Gene No.	20662	Strand	-
Start	5838	End	6930
Name	OJ990820_01.0210.C2.o3.tm	Method	TBLASTX:Maize
Start	2021	End	2314
GI	none	Score	66

Exons	2021..2314, 2025..2252, 2045..2314		
Seq. No.	9685	Seq. ID	OJ990820_01.0210.C2
Gene No.	20662	Strand	-
Start	5838	End	6930
Name	OJ990820_01.0210.C2.o3.tw	Method	TBLASTX:Wheat
Start	3131	End	3376
GI	none	Score	96
Exons	3131..3376, 3144..3341		
Seq. No.	9685	Seq. ID	OJ990820_01.0210.C2
Gene No.	20662	Strand	-
Start	5838	End	6930
Name	OJ990820_01.0210.C2.o1.tm	Method	TBLASTX:Maize
Start	3233	End	3669
GI	none	Score	71
Exons	3233..3397, 3380..3514, 3390..3515, 3588..3668, 3595..3669		
Seq. No.	9685	Seq. ID	OJ990820_01.0210.C2
Gene No.	20662	Strand	-
Start	5838	End	6930
Name	OJ990820_01.0210.C2.o4.gs	Method	GENSCAN
Start	5838	End	6930
GI	none	Score	.76
Exons	5838..5905, 6236..6385, 6599..6739, 6882..6930		
Seq. No.	9686	Seq. ID	OJ990820_01.0210.C3
Gene No.	20663	Strand	+
Start	10	End	8984
Name	OJ990820_01.0210.C3.o1.gs	Method	GENSCAN
Start	10	End	8984
GI	none	Score	.46
Exons	10..641, 697..1535, 1679..1786, 1958..2373, 2858..2931, 3007..3373, 3459..3720, 3754..3872, 3953..4251, 4356..4617, 4865..4966, 5082..5104, 5162..5610, 5668..5862, 6310..6415, 7694..8984		
Seq. No.	9686	Seq. ID	OJ990820_01.0210.C3
Gene No.	20663	Strand	+
Start	10	End	8984
Name	OJ990820_01.0210.C3.o1.np	Method	AAT/NAP
Start	121	End	5618
GI	5441880	Score	2717
Exons	121..1130, 1575..1606, 1864..2190, 2792..2931, 3040..3373, 3953..4251, 4356..4617, 4857..5110, 5404..5618		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		
Seq. No.	9686	Seq. ID	OJ990820_01.0210.C3
Gene No.	20663	Strand	+
Start	10	End	8984
Name	OJ990820_01.0210.C3.o1.gp	Method	AAT/GAP
Start	3046	End	5297
GI	LIB3433-020-P1-K1-A6	Score	770
Exons	3046..3088, 4911..5297		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 2.0e-35 Oryza sativa subsp.		

japonica BAC clone 34K24, complete sequence'

Seq. No.	9686	Seq. ID	OJ990820_01.0210.C3
Gene No.	20664	Strand	-
Start	9714	End	13161
Name	OJ990820_01.0210.C3.o1.tm	Method	TBLASTX:Maize
Start	688	End	1282
GI	none	Score	38
Exons	688..714, 722..1153, 724..1164, 1211..1282		

Seq. No.	9686	Seq. ID	OJ990820_01.0210.C3
Gene No.	20664	Strand	-
Start	9714	End	13161
Name	OJ990820_01.0210.C3.o1.tw	Method	TBLASTX:Wheat
Start	982	End	1357
GI	none	Score	191
Exons	982..1134, 983..1159, 1183..1251, 1184..1357, 1206..1346		

Seq. No.	9686	Seq. ID	OJ990820_01.0210.C3
Gene No.	20664	Strand	-
Start	9714	End	13161
Name	OJ990820_01.0210.C3.o2.gs	Method	GENSCAN
Start	9714	End	13161
GI	none	Score	.65
Exons	9714..9766, 10016..10175, 10180..10365, 13102..13161		

Seq. No.	9687	Seq. ID	OJ990820_01.0210.C4
Gene No.	20665	Strand	+
Start	175	End	554
Name	OJ990820_01.0210.C4.o1.gs	Method	GENSCAN
Start	175	End	554
GI	none	Score	.57
Exons	175..387, 438..554		

Seq. No.	9688	Seq. ID	OJ990820_01.0210.C5
Gene No.	20666	Strand	-
Start	1	End	3574
Name	OJ990820_01.0210.C5.o1.np	Method	AAT/NAP
Start	1	End	3544
GI	2326372	Score	1291
Exons	1..33, 233..309, 589..708, 817..926, 1017..1119, 1219..1272, 1536..1598, 1688..1755, 1842..1899, 2114..2180, 2663..2739, 2863..2946, 3082..3258, 3440..3544		
GI Descrip.	(Y14404) putative arabinose kinase [Arabidopsis thaliana]		

Seq. No.	9688	Seq. ID	OJ990820_01.0210.C5
Gene No.	20666	Strand	-
Start	1	End	3574
Name	OJ990820_01.0210.C5.o1.gs	Method	GENSCAN
Start	253	End	3574
GI	none	Score	.9
Exons	253..288, 589..708, 907..957, 1536..1598, 1688..1755, 1842..1899, 2114..2180, 2663..2739, 3082..3258, 3440..3574		

Seq. No.	9688	Seq. ID	OJ990820_01.0210.C5
Gene No.	20667	Strand	-
Start	5658	End	6938

Name	OJ990820_01.0210.C5.o1.tm	Method	TBLASTX:Maize
Start	563	End	1590
GI	none	Score	78
Exons	563..709, 564..650, 586..711, 586..711, 587..727, 813..926, 817..927, 817..936, 818..937, 1012..1065, 1012..1077, 1016..1075, 1078..1140, 1088..1120, 1212..1274, 1216..1299, 1216..1275, 1536..1589, 1536..1589, 1537..1590		

Seq. No.	9688	Seq. ID	OJ990820_01.0210.C5
Gene No.	20667	Strand	-
Start	5658	End	6938
Name	OJ990820_01.0210.C5.o1.ts	Method	TBLASTX:Soybean
Start	598	End	1120
GI	none	Score	79
Exons	598..711, 611..697, 613..711, 793..924, 817..930, 818..937, 819..941, 1012..1116, 1012..1119, 1016..1120		

Seq. No.	9688	Seq. ID	OJ990820_01.0210.C5
Gene No.	20667	Strand	-
Start	5658	End	6938
Name	OJ990820_01.0210.C5.o1.tc	Method	TBLASTX:Cress
Start	1700	End	3521
GI	none	Score	69
Exons	1700..1756, 1707..1763, 1841..1903, 1843..1902, 2111..2182, 2115..2189, 2647..2739, 2657..2740, 2855..2938, 2860..2949, 3070..3267, 3071..3265, 3440..3520, 3441..3521		

Seq. No.	9688	Seq. ID	OJ990820_01.0210.C5
Gene No.	20667	Strand	-
Start	5658	End	6938
Name	OJ990820_01.0210.C5.o2.ts	Method	TBLASTX:Soybean
Start	2681	End	3521
GI	none	Score	76
Exons	2681..2737, 2683..2739, 2860..2949, 2864..2938, 3070..3267, 3071..3259, 3082..3261, 3437..3520, 3438..3521		

Seq. No.	9688	Seq. ID	OJ990820_01.0210.C5
Gene No.	20667	Strand	-
Start	5658	End	6938
Name	OJ990820_01.0210.C5.o2.tm	Method	TBLASTX:Maize
Start	2899	End	3509
GI	none	Score	208
Exons	2899..2949, 3073..3264, 3086..3259, 3419..3508, 3438..3509		

Seq. No.	9688	Seq. ID	OJ990820_01.0210.C5
Gene No.	20667	Strand	-
Start	5658	End	6938
Name	OJ990820_01.0210.C5.o2.gs	Method	GENSCAN
Start	5658	End	6938
GI	none	Score	.79
Exons	5658..6938		

Seq. No.	9689	Seq. ID	OJ990820_01.0210.C6
Gene No.	20668	Strand	+
Start	2884	End	7337
Name	OJ990820_01.0210.C6.o2.np	Method	AAT/NAP
Start	2884	End	7337

GI	2781362	Score	70
Exons	2884..2904, 6648..6891, 7061..7337		
GI Descrip.	(AC003113) F24O1.18 [Arabidopsis thaliana] gi|5454187|gb|AAD43602.1|AC005698_1 (AC005698) T3P18.1 [Arabidopsis thaliana]		
Seq. No.	9689	Seq. ID	OJ990820_01.0210.C6
Gene No.	20668	Strand	+
Start	2884	End	7337
Name	OJ990820_01.0210.C6.o1.np	Method	AAT/NAP
Start	3877	End	5589
GI	1723239	Score	44
Exons	3877..3899, 5518..5589		
GI Descrip.	HYPOTHETICAL 35.7 KD PROTEIN C26A3.11 IN CHROMOSOME I gi|1177358|emb|CAA93234.1| (Z69240) putative amidohydrolase [Schizosaccharomyces pombe]		
Seq. No.	9689	Seq. ID	OJ990820_01.0210.C6
Gene No.	20668	Strand	+
Start	2884	End	7337
Name	OJ990820_01.0210.C6.o1.gp	Method	AAT/GAP
Start	4579	End	4861
GI	426253	Score	440
Exons	4579..4861		
Seq. No.	9689	Seq. ID	OJ990820_01.0210.C6
Gene No.	20668	Strand	+
Start	2884	End	7337
Name	OJ990820_01.0210.C6.o2.gp	Method	AAT/GAP
Start	5958	End	6198
GI	827_1.R1084	Score	296
Exons	5958..6198		
GI Descrip.	'3560531 0.0e+00 (AF042332) cycloartenol-C24-methyltransferase [Oryza sativa subsp. japonica]'		
Seq. No.	9689	Seq. ID	OJ990820_01.0210.C6
Gene No.	20669	Strand	-
Start	109	End	6687
Name	OJ990820_01.0210.C6.o1.tm	Method	TBLASTX:Maize
Start	36	End	1202
GI	none	Score	35
Exons	36..56, 93..164, 94..165, 147..404, 171..404, 1030..1185, 1031..1198, 1044..1202, 1044..1199		
Seq. No.	9689	Seq. ID	OJ990820_01.0210.C6
Gene No.	20669	Strand	-
Start	109	End	6687
Name	OJ990820_01.0210.C6.o1.gs	Method	GENSCAN
Start	109	End	6687
GI	none	Score	.44
Exons	109..424, 1042..1306, 2697..2901, 4971..5012, 5617..5653, 6606..6687		
Seq. No.	9690	Seq. ID	OJ990820_01.0210.C7
Gene No.	20670	Strand	+
Start	779	End	906
Name	OJ990820_01.0210.C7.o1.gs	Method	GENSCAN

Start	779	End	906
GI	none	Score	.97
Exons	779..906		

Seq. No.	9691	Seq. ID	OJ990820_01.0210.C8
Gene No.	20671	Strand	+
Start	1	End	953
Name	OJ990820_01.0210.C8.o1.np	Method	AAT/NAP
Start	1	End	953
GI	4680179	Score	1193
Exons	1..953		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	9691	Seq. ID	OJ990820_01.0210.C8
Gene No.	20671	Strand	+
Start	1	End	953
Name	OJ990820_01.0210.C8.o2.tw	Method	TBLASTX:Wheat
Start	1	End	303
GI	none	Score	190
Exons	1..303		

Seq. No.	9691	Seq. ID	OJ990820_01.0210.C8
Gene No.	20671	Strand	+
Start	1	End	953
Name	OJ990820_01.0210.C8.o1.gs	Method	GENSCAN
Start	22	End	800
GI	none	Score	.42
Exons	22..800		

Seq. No.	9691	Seq. ID	OJ990820_01.0210.C8
Gene No.	20671	Strand	+
Start	1	End	953
Name	OJ990820_01.0210.C8.o1.tw	Method	TBLASTX:Wheat
Start	435	End	894
GI	none	Score	518
Exons	435..875, 436..894, 439..876		

Seq. No.	9691	Seq. ID	OJ990820_01.0210.C8
Gene No.	20671	Strand	+
Start	1	End	953
Name	OJ990820_01.0210.C8.o1.ts	Method	TBLASTX:Soybean
Start	472	End	786
GI	none	Score	198
Exons	472..786		

Seq. No.	9691	Seq. ID	OJ990820_01.0210.C8
Gene No.	20671	Strand	+
Start	1	End	953
Name	OJ990820_01.0210.C8.o1.tm	Method	TBLASTX:Maize
Start	501	End	953
GI	none	Score	327
Exons	501..743, 505..876, 897..953		

Seq. No.	9692	Seq. ID	OJ990820_01.0210.C10
Gene No.	20672	Strand	+
Start	2225	End	5890
Name	OJ990820_01.0210.C10.o1.gs	Method	GENSCAN

Start	2225	End	3477
GI	none	Score	.75
Exons	2225..2545, 2824..2919, 2927..3041, 3199..3340, 3372..3477		

Seq. No.	9692	Seq. ID	OJ990820_01.0210.C10
Gene No.	20672	Strand	+
Start	2225	End	5890
Name	OJ990820_01.0210.C10.o1.np	Method	AAT/NAP
Start	2225	End	5890
GI	6815052	Score	1337
Exons	2225..2370, 2452..2534, 2838..2942, 3230..3340, 4211..4303, 5092..5234, 5283..5890		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	9692	Seq. ID	OJ990820_01.0210.C10
Gene No.	20672	Strand	+
Start	2225	End	5890
Name	OJ990820_01.0210.C10.o2.gs	Method	GENSCAN
Start	4423	End	5536
GI	none	Score	.51
Exons	4423..5536		

Seq. No.	9692	Seq. ID	OJ990820_01.0210.C10
Gene No.	20672	Strand	+
Start	2225	End	5890
Name	OJ990820_01.0210.C10.o1.tw	Method	TBLASTX:Wheat
Start	4528	End	5022
GI	none	Score	93
Exons	4528..4707, 4549..4707, 4568..4711, 4732..5022		

Seq. No.	9692	Seq. ID	OJ990820_01.0210.C10
Gene No.	20672	Strand	+
Start	2225	End	5890
Name	OJ990820_01.0210.C10.o1.ts	Method	TBLASTX:Soybean
Start	4546	End	4920
GI	none	Score	108
Exons	4546..4731, 4726..4920		

Seq. No.	9693	Seq. ID	OJ990820_01.0210.C11
Gene No.	20673	Strand	-
Start	1971	End	4310
Name	OJ990820_01.0210.C11.o2.gs	Method	GENSCAN
Start	1971	End	4310
GI	none	Score	.67
Exons	1971..2059, 2683..2759, 4303..4310		

Seq. No.	9694	Seq. ID	OJ990820_01.0210.C12
Gene No.	20674	Strand	+
Start	882	End	1406
Name	OJ990820_01.0210.C12.o1.gs	Method	GENSCAN
Start	882	End	1406
GI	none	Score	.54
Exons	882..917, 1275..1406		

Seq. No.	9695	Seq. ID	OJ990820_01.0210.C13
Gene No.	20675	Strand	+
Start	790	End	2376

Name	OJ990820_01.0210.C13.o1.np	Method	AAT/NAP
Start	790	End	2376
GI	4103243	Score	136
Exons	790..1027, 2223..2376		
GI Descrip.	(AF022368) BIPOSTO [Arabidopsis thaliana]		

Seq. No.	9696	Seq. ID	OJ990820_01.0210.C14
Gene No.	20676	Strand	-
Start	1	End	1740
Name	OJ990820_01.0210.C14.o1.np	Method	AAT/NAP
Start	1	End	1740
GI	2642431	Score	969
Exons	1..1175, 1717..1740		
GI Descrip.	(AC002391) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	9696	Seq. ID	OJ990820_01.0210.C14
Gene No.	20676	Strand	-
Start	1	End	1740
Name	OJ990820_01.0210.C14.o2.tm	Method	TBLASTX:Maize
Start	9	End	383
GI	none	Score	57
Exons	9..383, 140..325, 247..381		

Seq. No.	9696	Seq. ID	OJ990820_01.0210.C14
Gene No.	20676	Strand	-
Start	1	End	1740
Name	OJ990820_01.0210.C14.o2.tw	Method	TBLASTX:Wheat
Start	69	End	330
GI	none	Score	65
Exons	69..329, 250..330		

Seq. No.	9696	Seq. ID	OJ990820_01.0210.C14
Gene No.	20676	Strand	-
Start	1	End	1740
Name	OJ990820_01.0210.C14.o2.ts	Method	TBLASTX:Soybean
Start	120	End	524
GI	none	Score	76
Exons	120..524, 217..345		

Seq. No.	9696	Seq. ID	OJ990820_01.0210.C14
Gene No.	20676	Strand	-
Start	1	End	1740
Name	OJ990820_01.0210.C14.o1.tm	Method	TBLASTX:Maize
Start	435	End	875
GI	none	Score	72
Exons	435..761, 454..609, 637..762, 783..875		

Seq. No.	9696	Seq. ID	OJ990820_01.0210.C14
Gene No.	20676	Strand	-
Start	1	End	1740
Name	OJ990820_01.0210.C14.o1.tw	Method	TBLASTX:Wheat
Start	474	End	1010
GI	none	Score	88
Exons	474..674, 669..761, 765..1010, 766..864, 922..990		

Seq. No.	9696	Seq. ID	OJ990820_01.0210.C14

Gene No.	20676	Strand	-
Start	1	End	1740
Name	OJ990820_01.0210.C14.o1.ts	Method	TBLASTX:Soybean
Start	678	End	1175
GI	5509260	Score	47
Exons	678..764, 771..1175, 772..852, 922..1038		
GI Descrip.	-		

Seq. No.	9696	Seq. ID	OJ990820_01.0210.C14
Gene No.	20676	Strand	-
Start	1	End	1740
Name	OJ990820_01.0210.C14.o1.tc	Method	TBLASTX:Cress
Start	789	End	1049
GI	none	Score	108
Exons	789..1049, 798..1046		

Seq. No.	9696	Seq. ID	OJ990820_01.0210.C14
Gene No.	20676	Strand	-
Start	1	End	1740
Name	OJ990820_01.0210.C14.o3.tm	Method	TBLASTX:Maize
Start	876	End	1136
GI	none	Score	115
Exons	876..1136, 877..1128, 927..1136		

Seq. No.	9697	Seq. ID	OJ990820_01.0210.C15
Gene No.	20677	Strand	+
Start	3194	End	4973
Name	OJ990820_01.0210.C15.o1.gs	Method	GENSCAN
Start	3194	End	4973
GI	none	Score	.66
Exons	3194..3381, 3663..3742, 4605..4758, 4805..4973		

Seq. No.	9697	Seq. ID	OJ990820_01.0210.C15
Gene No.	20678	Strand	+
Start	11199	End	11736
Name	OJ990820_01.0210.C15.o3.gs	Method	GENSCAN
Start	11199	End	11736
GI	none	Score	.63
Exons	11199..11309, 11557..11736		

Seq. No.	9697	Seq. ID	OJ990820_01.0210.C15
Gene No.	20679	Strand	+
Start	12477	End	13002
Name	OJ990820_01.0210.C15.o4.gs	Method	GENSCAN
Start	12477	End	13002
GI	none	Score	.71
Exons	12477..12673, 12747..13002		

Seq. No.	9697	Seq. ID	OJ990820_01.0210.C15
Gene No.	20680	Strand	-
Start	5986	End	10277
Name	OJ990820_01.0210.C15.o2.tw	Method	TBLASTX:Wheat
Start	651	End	1077
GI	none	Score	147
Exons	651..869, 877..1077		

Seq. No.	9697	Seq. ID	OJ990820_01.0210.C15

Gene No.	20680	Strand	-
Start	5986	End	10277
Name	OJ990820_01.0210.C15.o8.ts	Method	TBLASTX:Soybean
Start	1793	End	1969
GI	none	Score	118
Exons	1793..1969, 1818..1964		

Seq. No.	9697	Seq. ID	OJ990820_01.0210.C15
Gene No.	20680	Strand	-
Start	5986	End	10277
Name	OJ990820_01.0210.C15.o1.gp	Method	AAT/GAP
Start	5504	End	6810
GI	LIB3433-041-P1-K1-E1	Score	662
Exons	5504..5584, 6471..6810		
GI Descrip.	'3387899 2.0e-48 (AF070540) putative nuclear protein [Homo sapiens]'		

Seq. No.	9697	Seq. ID	OJ990820_01.0210.C15
Gene No.	20680	Strand	-
Start	5986	End	10277
Name	OJ990820_01.0210.C15.o1.tm	Method	TBLASTX:Maize
Start	5632	End	7475
GI	none	Score	62
Exons	5632..5724, 5685..5729, 5780..5827, 5789..5839, 5831..5863, 6471..6530, 6472..6558, 6473..6574, 6478..6531, 6479..6592, 6579..6743, 6580..6744, 6580..6744, 6743..6967, 6744..6968, 6745..7467, 6746..7465, 7014..7475, 7347..7475		

Seq. No.	9697	Seq. ID	OJ990820_01.0210.C15
Gene No.	20680	Strand	-
Start	5986	End	10277
Name	OJ990820_01.0210.C15.o2.gs	Method	GENSCAN
Start	5986	End	10247
GI	none	Score	.75
Exons	5986..6019, 6471..6615, 6864..8967, 9017..9059, 9110..9376, 9536..9852, 9858..10247		

Seq. No.	9697	Seq. ID	OJ990820_01.0210.C15
Gene No.	20680	Strand	-
Start	5986	End	10277
Name	OJ990820_01.0210.C15.o1.tw	Method	TBLASTX:Wheat
Start	6468	End	6798
GI	none	Score	96
Exons	6468..6521, 6470..6574, 6470..6592, 6536..6652, 6579..6743, 6582..6740, 6586..6744, 6745..6798, 6746..6778		

Seq. No.	9697	Seq. ID	OJ990820_01.0210.C15
Gene No.	20680	Strand	-
Start	5986	End	10277
Name	OJ990820_01.0210.C15.o2.np	Method	AAT/NAP
Start	6479	End	10268
GI	6912654	Score	3913
Exons	6479..9294, 9322..10268		
GI Descrip.	spliceosome-associated factor 155 gi|4033735 (AF054284) spliceosomal protein SAP 155 [Homo sapiens]		

Seq. No.	9697	Seq. ID	OJ990820_01.0210.C15

Gene No.	20680	Strand	-
Start	5986	End	10277
Name	OJ990820_01.0210.C15.o7.ts	Method	TBLASTX:Soybean
Start	6479	End	6744
GI	none	Score	41
Exons	6479..6517, 6479..6517, 6521..6652, 6580..6630, 6612..6743, 6612..6743, 6613..6744		

Seq. No.	9697	Seq. ID	OJ990820_01.0210.C15
Gene No.	20680	Strand	-
Start	5986	End	10277
Name	OJ990820_01.0210.C15.o1.tc	Method	TBLASTX:Cress
Start	6690	End	7035
GI	none	Score	153
Exons	6690..6740, 6743..6949, 6744..6965, 6745..7035, 6746..7033		

Seq. No.	9697	Seq. ID	OJ990820_01.0210.C15
Gene No.	20680	Strand	-
Start	5986	End	10277
Name	OJ990820_01.0210.C15.o1.ts	Method	TBLASTX:Soybean
Start	6801	End	7359
GI	none	Score	127
Exons	6801..6968, 6802..7359, 6803..7357		

Seq. No.	9697	Seq. ID	OJ990820_01.0210.C15
Gene No.	20680	Strand	-
Start	5986	End	10277
Name	OJ990820_01.0210.C15.o2.ts	Method	TBLASTX:Soybean
Start	7368	End	7867
GI	none	Score	159
Exons	7368..7553, 7375..7857, 7380..7769, 7381..7860, 7751..7861, 7790..7867		

Seq. No.	9697	Seq. ID	OJ990820_01.0210.C15
Gene No.	20680	Strand	-
Start	5986	End	10277
Name	OJ990820_01.0210.C15.o3.tc	Method	TBLASTX:Cress
Start	7405	End	7581
GI	none	Score	133
Exons	7405..7578, 7408..7581		

Seq. No.	9697	Seq. ID	OJ990820_01.0210.C15
Gene No.	20680	Strand	-
Start	5986	End	10277
Name	OJ990820_01.0210.C15.o2.tm	Method	TBLASTX:Maize
Start	7546	End	8235
GI	none	Score	805
Exons	7546..8229, 7546..8235		

Seq. No.	9697	Seq. ID	OJ990820_01.0210.C15
Gene No.	20680	Strand	-
Start	5986	End	10277
Name	OJ990820_01.0210.C15.o2.tc	Method	TBLASTX:Cress
Start	7759	End	7984
GI	none	Score	238
Exons	7759..7983, 7790..7984		

Seq. No.	9697	Seq. ID	OJ990820_01.0210.C15
Gene No.	20680	Strand	-
Start	5986	End	10277
Name	OJ990820_01.0210.C15.o4.ts	Method	TBLASTX:Soybean
Start	7897	End	8155
GI	none	Score	332
Exons	7897..8154, 7898..8155		

Seq. No.	9697	Seq. ID	OJ990820_01.0210.C15
Gene No.	20680	Strand	-
Start	5986	End	10277
Name	OJ990820_01.0210.C15.o5.ts	Method	TBLASTX:Soybean
Start	8257	End	8532
GI	none	Score	172
Exons	8257..8400, 8261..8386, 8344..8532, 8375..8530, 8392..8532		

Seq. No.	9697	Seq. ID	OJ990820_01.0210.C15
Gene No.	20680	Strand	-
Start	5986	End	10277
Name	OJ990820_01.0210.C15.o3.ts	Method	TBLASTX:Soybean
Start	8602	End	8857
GI	none	Score	79
Exons	8602..8856, 8604..8765, 8605..8811, 8624..8857		

Seq. No.	9697	Seq. ID	OJ990820_01.0210.C15
Gene No.	20680	Strand	-
Start	5986	End	10277
Name	OJ990820_01.0210.C15.o6.ts	Method	TBLASTX:Soybean
Start	8868	End	9126
GI	none	Score	88
Exons	8868..9029, 8868..9017, 8902..9126, 8909..9112		

Seq. No.	9697	Seq. ID	OJ990820_01.0210.C15
Gene No.	20680	Strand	-
Start	5986	End	10277
Name	OJ990820_01.0210.C15.o3.tm	Method	TBLASTX:Maize
Start	9784	End	10232
GI	none	Score	61
Exons	9784..9855, 9812..9856, 9917..9955, 9922..9954, 9963..10064, 10006..10032, 10056..10232, 10093..10197		

Seq. No.	9697	Seq. ID	OJ990820_01.0210.C15
Gene No.	20680	Strand	-
Start	5986	End	10277
Name	OJ990820_01.0210.C15.o2.gp	Method	AAT/GAP
Start	9785	End	10277
GI	uC-osflm202104d09b1	Score	903
Exons	9785..10277		
GI Descrip.	'4033735 7.0e-11 (AF054284) spliceosomal protein SAP 155 [Homo sapiens]'		

Seq. No.	9698	Seq. ID	OJ990820_01.0210.C16
Gene No.	20681	Strand	+
Start	199	End	351
Name	OJ990820_01.0210.C16.o1.gs	Method	GENSCAN
Start	199	End	351
GI	none	Score	.45

Exons	199..205, 242..351		
Seq. No.	9699	Seq. ID	OJ990820_01.0210.C17
Gene No.	20682	Strand	+
Start	578	End	949
Name	OJ990820_01.0210.C17.o1.gs	Method	GENSCAN
Start	578	End	949
GI	none	Score	.42
Exons	578..949		
Seq. No.	9699	Seq. ID	OJ990820_01.0210.C17
Gene No.	20683	Strand	+
Start	1624	End	3447
Name	OJ990820_01.0210.C17.o2.gs	Method	GENSCAN
Start	1624	End	3447
GI	none	Score	.45
Exons	1624..1696, 1841..2021, 3318..3447		
Seq. No.	9699	Seq. ID	OJ990820_01.0210.C17
Gene No.	20684	Strand	-
Start	4570	End	7787
Name	OJ990820_01.0210.C17.o3.gs	Method	GENSCAN
Start	4570	End	7782
GI	none	Score	.64
Exons	4570..4667, 4949..5173, 5179..5724, 6098..6136, 6138..6894, 7024..7782		
Seq. No.	9699	Seq. ID	OJ990820_01.0210.C17
Gene No.	20684	Strand	-
Start	4570	End	7787
Name	OJ990820_01.0210.C17.o1.np	Method	AAT/NAP
Start	6106	End	7787
GI	4680179	Score	2486
Exons	6106..7787		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	9699	Seq. ID	OJ990820_01.0210.C17
Gene No.	20684	Strand	-
Start	4570	End	7787
Name	OJ990820_01.0210.C17.o3.tw	Method	TBLASTX:Wheat
Start	6151	End	6484
GI	none	Score	149
Exons	6151..6483, 6203..6484		
Seq. No.	9699	Seq. ID	OJ990820_01.0210.C17
Gene No.	20684	Strand	-
Start	4570	End	7787
Name	OJ990820_01.0210.C17.o1.tm	Method	TBLASTX:Maize
Start	6346	End	6928
GI	none	Score	118
Exons	6346..6555, 6347..6544, 6553..6768, 6605..6769, 6766..6927, 6773..6928		
Seq. No.	9699	Seq. ID	OJ990820_01.0210.C17
Gene No.	20684	Strand	-
Start	4570	End	7787
Name	OJ990820_01.0210.C17.o1.tw	Method	TBLASTX:Wheat

Start	6484	End	7107
GI	none	Score	47
Exons	6484..6552, 6485..6544, 6553..7107, 6602..7048		

Seq. No.	9699	Seq. ID	OJ990820_01.0210.C17
Gene No.	20684	Strand	-
Start	4570	End	7787
Name	OJ990820_01.0210.C17.o2.tm	Method	TBLASTX:Maize
Start	6976	End	7267
GI	none	Score	299
Exons	6976..7266, 6980..7267		

Seq. No.	9699	Seq. ID	OJ990820_01.0210.C17
Gene No.	20684	Strand	-
Start	4570	End	7787
Name	OJ990820_01.0210.C17.o1.ts	Method	TBLASTX:Soybean
Start	7066	End	7326
GI	none	Score	192
Exons	7066..7326, 7067..7315		

Seq. No.	9699	Seq. ID	OJ990820_01.0210.C17
Gene No.	20684	Strand	-
Start	4570	End	7787
Name	OJ990820_01.0210.C17.o1.tc	Method	TBLASTX:Cress
Start	7090	End	7416
GI	none	Score	79
Exons	7090..7233, 7091..7231, 7234..7416		

Seq. No.	9699	Seq. ID	OJ990820_01.0210.C17
Gene No.	20684	Strand	-
Start	4570	End	7787
Name	OJ990820_01.0210.C17.o2.tw	Method	TBLASTX:Wheat
Start	7113	End	7653
GI	none	Score	134
Exons	7113..7367, 7114..7653, 7118..7471		

Seq. No.	9700	Seq. ID	OJ990820_01.0210.C18
Gene No.	20685	Strand	+
Start	1	End	1123
Name	OJ990820_01.0210.C18.o1.np	Method	AAT/NAP
Start	1	End	1123
GI	2326372	Score	541
Exons	1..215, 492..563, 658..860, 1013..1123		
GI Descrip.	(Y14404) putative arabinose kinase [Arabidopsis thaliana]		

Seq. No.	9700	Seq. ID	OJ990820_01.0210.C18
Gene No.	20685	Strand	+
Start	1	End	1123
Name	OJ990820_01.0210.C18.o1.ts	Method	TBLASTX:Soybean
Start	44	End	729
GI	none	Score	63
Exons	44..223, 46..210, 48..212, 492..563, 531..563, 646..729, 655..726, 657..728		

Seq. No.	9700	Seq. ID	OJ990820_01.0210.C18
Gene No.	20685	Strand	+
Start	1	End	1123

Name	OJ990820_01.0210.C18.o1.tm	Method	TBLASTX:Maize
Start	47	End	720
GI	none	Score	281
Exons	47..220, 48..215, 52..216, 485..556, 489..563, 490..558, 646..720, 655..708, 657..710		

Seq. No.	9700	Seq. ID	OJ990820_01.0210.C18
Gene No.	20685	Strand	+
Start	1	End	1123
Name	OJ990820_01.0210.C18.o1.gs	Method	GENSCAN
Start	50	End	1123
GI	none	Score	.81
Exons	50..215, 492..563, 658..774, 1013..1123		

Seq. No.	9701	Seq. ID	OJ990820_01.0210.C19
Gene No.	20686	Strand	-
Start	1	End	1518
Name	OJ990820_01.0210.C19.o1.np	Method	AAT/NAP
Start	1	End	922
GI	4680179	Score	369
Exons	1..437, 843..922		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	9701	Seq. ID	OJ990820_01.0210.C19
Gene No.	20686	Strand	-
Start	1	End	1518
Name	OJ990820_01.0210.C19.o1.tw	Method	TBLASTX:Wheat
Start	11	End	302
GI	none	Score	136
Exons	11..82, 104..301, 105..302		

Seq. No.	9701	Seq. ID	OJ990820_01.0210.C19
Gene No.	20686	Strand	-
Start	1	End	1518
Name	OJ990820_01.0210.C19.o1.gs	Method	GENSCAN
Start	117	End	454
GI	none	Score	.66
Exons	117..454		

Seq. No.	9701	Seq. ID	OJ990820_01.0210.C19
Gene No.	20686	Strand	-
Start	1	End	1518
Name	OJ990820_01.0210.C19.o2.gs	Method	GENSCAN
Start	718	End	1518
GI	none	Score	.95
Exons	718..1518		

Seq. No.	9701	Seq. ID	OJ990820_01.0210.C19
Gene No.	20686	Strand	-
Start	1	End	1518
Name	OJ990820_01.0210.C19.o2.np	Method	AAT/NAP
Start	721	End	1518
GI	4512231	Score	1345
Exons	721..1518		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	9702	Seq. ID	OJ990820_01.0210.C20

Gene No.	20687	Strand	+
Start	799	End	1827
Name	OJ990820_01.0210.C20.o1.gs	Method	GENSCAN
Start	799	End	1827
GI	none	Score	.62
Exons	799..969, 1007..1210, 1264..1366, 1730..1827		

Seq. No.	9702	Seq. ID	OJ990820_01.0210.C20
Gene No.	20688	Strand	-
Start	1	End	1477
Name	OJ990820_01.0210.C20.o1.np	Method	AAT/NAP
Start	1	End	1477
GI	5852179	Score	221
Exons	1..35, 969..1161, 1249..1477		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	9703	Seq. ID	OJ990820_01.0210.C21
Gene No.	20689	Strand	+
Start	66	End	476
Name	OJ990820_01.0210.C21.o1.gs	Method	GENSCAN
Start	66	End	476
GI	none	Score	.98
Exons	66..476		

Seq. No.	9703	Seq. ID	OJ990820_01.0210.C21
Gene No.	20690	Strand	-
Start	1799	End	1872
Name	OJ990820_01.0210.C21.o2.gs	Method	GENSCAN
Start	1799	End	1872
GI	none	Score	.51
Exons	1799..1872		

Seq. No.	9704	Seq. ID	OJ990820_01.0210.C23
Gene No.	20691	Strand	-
Start	1	End	453
Name	OJ990820_01.0210.C23.o1.np	Method	AAT/NAP
Start	1	End	453
GI	2586082	Score	595
Exons	1..453		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	9704	Seq. ID	OJ990820_01.0210.C23
Gene No.	20691	Strand	-
Start	1	End	453
Name	OJ990820_01.0210.C23.o1.tc	Method	TBLASTX:Cress
Start	4	End	234
GI	none	Score	144
Exons	4..234, 6..233		

Seq. No.	9704	Seq. ID	OJ990820_01.0210.C23
Gene No.	20691	Strand	-
Start	1	End	453
Name	OJ990820_01.0210.C23.o1.tm	Method	TBLASTX:Maize
Start	30	End	309
GI	none	Score	115
Exons	30..239, 55..240, 241..309		

Seq. No.	9704	Seq. ID	OJ990820_01.0210.C23
Gene No.	20691	Strand	-
Start	1	End	453
Name	OJ990820_01.0210.C23.o1.ts	Method	TBLASTX:Soybean
Start	30	End	342
GI	none	Score	132
Exons	30..260, 79..234, 256..342		

Seq. No.	9705	Seq. ID	OJ990820_01.0210.C24
Gene No.	20692	Strand	+
Start	1	End	514
Name	OJ990820_01.0210.C24.o1.np	Method	AAT/NAP
Start	1	End	514
GI	2586082	Score	618
Exons	1..514		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	9705	Seq. ID	OJ990820_01.0210.C24
Gene No.	20692	Strand	+
Start	1	End	514
Name	OJ990820_01.0210.C24.o1.tw	Method	TBLASTX:Wheat
Start	4	End	353
GI	none	Score	304
Exons	4..303, 12..239, 300..353, 315..353		

Seq. No.	9705	Seq. ID	OJ990820_01.0210.C24
Gene No.	20692	Strand	+
Start	1	End	514
Name	OJ990820_01.0210.C24.o1.gs	Method	GENSCAN
Start	13	End	476
GI	none	Score	.71
Exons	13..180, 285..476		

Seq. No.	9705	Seq. ID	OJ990820_01.0210.C24
Gene No.	20692	Strand	+
Start	1	End	514
Name	OJ990820_01.0210.C24.o1.tm	Method	TBLASTX:Maize
Start	31	End	294
GI	none	Score	297
Exons	31..294, 36..293, 172..294		

Seq. No.	9705	Seq. ID	OJ990820_01.0210.C24
Gene No.	20692	Strand	+
Start	1	End	514
Name	OJ990820_01.0210.C24.o1.ts	Method	TBLASTX:Soybean
Start	94	End	482
GI	none	Score	193
Exons	94..273, 123..269, 298..435, 300..482, 314..481		

Seq. No.	9705	Seq. ID	OJ990820_01.0210.C24
Gene No.	20692	Strand	+
Start	1	End	514
Name	OJ990820_01.0210.C24.o2.tm	Method	TBLASTX:Maize
Start	309	End	509
GI	none	Score	80
Exons	309..368, 368..508, 369..509		

Seq. No.	9706	Seq. ID	OJ990820_01.0210.C25
Gene No.	20693	Strand	+
Start	114	End	705
Name	OJ990820_01.0210.C25.o1.tm	Method	TBLASTX:Maize
Start	113	End	342
GI	none	Score	218
Exons	113..250, 114..245, 116..265, 316..342, 318..341		

Seq. No.	9706	Seq. ID	OJ990820_01.0210.C25
Gene No.	20693	Strand	+
Start	114	End	705
Name	OJ990820_01.0210.C25.o1.gs	Method	GENSCAN
Start	114	End	400
GI	none	Score	.81
Exons	114..244, 319..400		

Seq. No.	9706	Seq. ID	OJ990820_01.0210.C25
Gene No.	20693	Strand	+
Start	114	End	705
Name	OJ990820_01.0210.C25.o1.np	Method	AAT/NAP
Start	114	End	705
GI	2326372	Score	252
Exons	114..244, 319..400, 683..705		
GI Descrip.	(Y14404) putative arabinose kinase [Arabidopsis thaliana]		

Seq. No.	9706	Seq. ID	OJ990820_01.0210.C25
Gene No.	20693	Strand	+
Start	114	End	705
Name	OJ990820_01.0210.C25.o1.ts	Method	TBLASTX:Soybean
Start	122	End	406
GI	none	Score	100
Exons	122..187, 123..182, 130..183, 179..250, 186..245, 188..262, 316..402, 317..406, 319..402		

Seq. No.	9706	Seq. ID	OJ990820_01.0210.C25
Gene No.	20693	Strand	+
Start	114	End	705
Name	OJ990820_01.0210.C25.o1.tc	Method	TBLASTX:Cress
Start	171	End	406
GI	none	Score	105
Exons	171..245, 171..245, 172..261, 173..250, 316..402, 317..406, 319..402		

Seq. No.	9707	Seq. ID	OJ990910_03.0229.C2
Gene No.	20694	Strand	+
Start	141	End	560
Name	OJ990910_03.0229.C2.o1.gs	Method	GENSCAN
Start	141	End	560
GI	none	Score	.45
Exons	141..560		

Seq. No.	9708	Seq. ID	OJ990910_03.0229.C3
Gene No.	20695	Strand	+
Start	1	End	193
Name	OJ990910_03.0229.C3.o1.np	Method	AAT/NAP
Start	1	End	193
GI	6815052	Score	172

Exons	1..193		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		
Seq. No.	9708	Seq. ID	OJ990910_03.0229.C3
Gene No.	20696	Strand	-
Start	37	End	454
Name	OJ990910_03.0229.C3.o1.gs	Method	GENSCAN
Start	37	End	454
GI	none	Score	.9
Exons	37..233, 328..454		
Seq. No.	9709	Seq. ID	OJ990910_03.0229.C4
Gene No.	20697	Strand	+
Start	390	End	734
Name	OJ990910_03.0229.C4.o1.gs	Method	GENSCAN
Start	390	End	734
GI	none	Score	.52
Exons	390..569, 588..734		
Seq. No.	9710	Seq. ID	OJ990910_03.0229.C7
Gene No.	20698	Strand	+
Start	163	End	1370
Name	OJ990910_03.0229.C7.o1.gs	Method	GENSCAN
Start	163	End	1370
GI	none	Score	.62
Exons	163..219, 1287..1370		
Seq. No.	9710	Seq. ID	OJ990910_03.0229.C7
Gene No.	20699	Strand	+
Start	3572	End	6110
Name	OJ990910_03.0229.C7.o2.np	Method	AAT/NAP
Start	3572	End	6004
GI	2462745	Score	330
Exons	3572..3693, 5320..5490, 5623..6004		
GI Descrip.	(AC002292) Hypothetical protein [Arabidopsis thaliana]		
Seq. No.	9710	Seq. ID	OJ990910_03.0229.C7
Gene No.	20699	Strand	+
Start	3572	End	6110
Name	OJ990910_03.0229.C7.o2.gp	Method	AAT/GAP
Start	5102	End	5727
GI	74030_1.R1084	Score	920
Exons	5102..5490, 5623..5727		
GI Descrip.	'3540199 6.0e-30 (AC004260) Putative monosaccharide transport protein [Arabidopsis thaliana]'		
Seq. No.	9710	Seq. ID	OJ990910_03.0229.C7
Gene No.	20699	Strand	+
Start	3572	End	6110
Name	OJ990910_03.0229.C7.o3.gs	Method	GENSCAN
Start	5165	End	6016
GI	none	Score	.89
Exons	5165..5490, 5623..6016		
Seq. No.	9710	Seq. ID	OJ990910_03.0229.C7
Gene No.	20699	Strand	+
Start	3572	End	6110

Name	OJ990910_03.0229.C7.o3.np	Method	AAT/NAP
Start	5513	End	6110
GI	82487	Score	163
Exons	5513..5631, 5989..6110		
GI Descrip.	hypothetical protein, 9K - rice gi|344020|dbj|BAA00189| (D00293) ORF [Oryza sativa]		

Seq. No.	9710	Seq. ID	OJ990910_03.0229.C7
Gene No.	20700	Strand	-
Start	1203	End	4249
Name	OJ990910_03.0229.C7.o1.np	Method	AAT/NAP
Start	1203	End	4249
GI	6815052	Score	682
Exons	1203..1321, 1591..1661, 1743..1855, 1998..2079, 2359..2630, 2727..3145, 3268..3418, 3527..3656, 3939..4013, 4096..4249		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	9710	Seq. ID	OJ990910_03.0229.C7
Gene No.	20700	Strand	-
Start	1203	End	4249
Name	OJ990910_03.0229.C7.o2.gs	Method	GENSCAN
Start	3535	End	4249
GI	none	Score	.95
Exons	3535..3656, 3939..4013, 4096..4249		

Seq. No.	9710	Seq. ID	OJ990910_03.0229.C7
Gene No.	20700	Strand	-
Start	1203	End	4249
Name	OJ990910_03.0229.C7.o1.gp	Method	AAT/GAP
Start	3844	End	4242
GI	LIB3434-005-P1-K1-H8	Score	542
Exons	3844..4242		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-50 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	9710	Seq. ID	OJ990910_03.0229.C7
Gene No.	20701	Strand	-
Start	7172	End	9193
Name	OJ990910_03.0229.C7.o1.ts	Method	TBLASTX:Soybean
Start	5390	End	6010
GI	none	Score	104
Exons	5390..5491, 5621..5737, 5747..6010		

Seq. No.	9710	Seq. ID	OJ990910_03.0229.C7
Gene No.	20701	Strand	-
Start	7172	End	9193
Name	OJ990910_03.0229.C7.o2.tm	Method	TBLASTX:Maize
Start	5390	End	6004
GI	none	Score	101
Exons	5390..5491, 5597..5725, 5620..5736, 5621..5737, 5714..6004, 5752..6003		

Seq. No.	9710	Seq. ID	OJ990910_03.0229.C7
Gene No.	20701	Strand	-
Start	7172	End	9193
Name	OJ990910_03.0229.C7.o2.tw	Method	TBLASTX:Wheat
Start	5447	End	6010

GI	none	Score	62
Exons	5447..5491, 5611..5718, 5621..5812, 5621..5740, 5819..5863, 5924..6010		

Seq. No.	9710	Seq. ID	OJ990910_03.0229.C7
Gene No.	20701	Strand	-
Start	7172	End	9193
Name	OJ990910_03.0229.C7.o4.gs	Method	GENSCAN
Start	7172	End	9046
GI	none	Score	.48
Exons	7172..7198, 7476..7674, 8478..8721, 8980..9046		

Seq. No.	9710	Seq. ID	OJ990910_03.0229.C7
Gene No.	20701	Strand	-
Start	7172	End	9193
Name	OJ990910_03.0229.C7.o4.np	Method	AAT/NAP
Start	8714	End	9183
GI	6705984	Score	543
Exons	8714..9183		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	9710	Seq. ID	OJ990910_03.0229.C7
Gene No.	20701	Strand	-
Start	7172	End	9193
Name	OJ990910_03.0229.C7.o1.tm	Method	TBLASTX:Maize
Start	8738	End	8983
GI	none	Score	171
Exons	8738..8983, 8738..8983		

Seq. No.	9710	Seq. ID	OJ990910_03.0229.C7
Gene No.	20701	Strand	-
Start	7172	End	9193
Name	OJ990910_03.0229.C7.o1.tw	Method	TBLASTX:Wheat
Start	8900	End	9193
GI	none	Score	124
Exons	8900..9094, 8903..9193, 8913..9182		

Seq. No.	9711	Seq. ID	OJ990910_03.0229.C8
Gene No.	20702	Strand	-
Start	551	End	5010
Name	OJ990910_03.0229.C8.o1.tw	Method	TBLASTX:Wheat
Start	392	End	4140
GI	none	Score	65
Exons	392..544, 396..575, 3646..4140, 3746..3904, 3850..4116		

Seq. No.	9711	Seq. ID	OJ990910_03.0229.C8
Gene No.	20702	Strand	-
Start	551	End	5010
Name	OJ990910_03.0229.C8.o1.gs	Method	GENSCAN
Start	551	End	4254
GI	none	Score	.76
Exons	551..673, 1791..1898, 2055..2150, 2553..4254		

Seq. No.	9711	Seq. ID	OJ990910_03.0229.C8
Gene No.	20702	Strand	-
Start	551	End	5010
Name	OJ990910_03.0229.C8.o1.np	Method	AAT/NAP

Start	2154	End	5010
GI	6815052	Score	1401
Exons	2154..2272, 2553..2628, 2710..3407, 3456..3591, 4374..4473, 4988..5010		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	9712	Seq. ID	OJ990910_03.0229.C12
Gene No.	20703	Strand	-
Start	1	End	3733
Name	OJ990910_03.0229.C12.o1.np	Method	AAT/NAP
Start	1	End	3733
GI	6705984	Score	6375
Exons	1..3733		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	9712	Seq. ID	OJ990910_03.0229.C12
Gene No.	20704	Strand	-
Start	4687	End	5143
Name	OJ990910_03.0229.C12.o1.gp	Method	AAT/GAP
Start	4687	End	5143
GI	25792_1.R1084	Score	895
Exons	4687..5143		
GI Descrip.	'4512233/dbj|AB014743.1|AB014743 0.0e+00 Oryza sativa copia-type retrotransposon RIRE7 DNA, partial sequence'		

Seq. No.	9712	Seq. ID	OJ990910_03.0229.C12
Gene No.	20705	Strand	-
Start	5318	End	5660
Name	OJ990910_03.0229.C12.o1.tw	Method	TBLASTX:Wheat
Start	78	End	504
GI	none	Score	397
Exons	78..503, 78..503, 79..504		

Seq. No.	9712	Seq. ID	OJ990910_03.0229.C12
Gene No.	20705	Strand	-
Start	5318	End	5660
Name	OJ990910_03.0229.C12.o6.tm	Method	TBLASTX:Maize
Start	135	End	299
GI	none	Score	87
Exons	135..293, 135..299, 136..297		

Seq. No.	9712	Seq. ID	OJ990910_03.0229.C12
Gene No.	20705	Strand	-
Start	5318	End	5660
Name	OJ990910_03.0229.C12.o5.ts	Method	TBLASTX:Soybean
Start	220	End	419
GI	none	Score	64
Exons	220..309, 225..311, 307..405, 315..419		

Seq. No.	9712	Seq. ID	OJ990910_03.0229.C12
Gene No.	20705	Strand	-
Start	5318	End	5660
Name	OJ990910_03.0229.C12.o1.tm	Method	TBLASTX:Maize
Start	399	End	944
GI	none	Score	68
Exons	399..944, 519..707, 523..903		

Seq. No.	9712	Seq. ID	OJ990910_03.0229.C12
Gene No.	20705	Strand	-
Start	5318	End	5660
Name	OJ990910_03.0229.C12.o1.ts	Method	TBLASTX:Soybean
Start	424	End	680
GI	none	Score	215
Exons	424..654, 424..624, 426..680, 441..677		

Seq. No.	9712	Seq. ID	OJ990910_03.0229.C12
Gene No.	20705	Strand	-
Start	5318	End	5660
Name	OJ990910_03.0229.C12.o5.tw	Method	TBLASTX:Wheat
Start	591	End	992
GI	none	Score	114
Exons	591..992, 592..945		

Seq. No.	9712	Seq. ID	OJ990910_03.0229.C12
Gene No.	20705	Strand	-
Start	5318	End	5660
Name	OJ990910_03.0229.C12.o2.ts	Method	TBLASTX:Soybean
Start	705	End	1064
GI	none	Score	134
Exons	705..1064, 706..945, 1024..1059		

Seq. No.	9712	Seq. ID	OJ990910_03.0229.C12
Gene No.	20705	Strand	-
Start	5318	End	5660
Name	OJ990910_03.0229.C12.o2.tm	Method	TBLASTX:Maize
Start	987	End	1453
GI	none	Score	55
Exons	987..1127, 1030..1128, 1107..1382, 1130..1453		

Seq. No.	9712	Seq. ID	OJ990910_03.0229.C12
Gene No.	20705	Strand	-
Start	5318	End	5660
Name	OJ990910_03.0229.C12.o4.tw	Method	TBLASTX:Wheat
Start	1041	End	1522
GI	none	Score	45
Exons	1041..1127, 1045..1128, 1107..1427, 1130..1522		

Seq. No.	9712	Seq. ID	OJ990910_03.0229.C12
Gene No.	20705	Strand	-
Start	5318	End	5660
Name	OJ990910_03.0229.C12.o4.tm	Method	TBLASTX:Maize
Start	1478	End	1726
GI	none	Score	178
Exons	1478..1627, 1479..1610, 1511..1615, 1555..1629, 1610..1726		

Seq. No.	9712	Seq. ID	OJ990910_03.0229.C12
Gene No.	20705	Strand	-
Start	5318	End	5660
Name	OJ990910_03.0229.C12.o6.tw	Method	TBLASTX:Wheat
Start	1568	End	1798
GI	none	Score	103
Exons	1568..1750, 1568..1798		

Seq. No.	9712	Seq. ID	OJ990910_03.0229.C12

Gene No.	20705	Strand	-
Start	5318	End	5660
Name	OJ990910_03.0229.C12.o3.ts	Method	TBLASTX:Soybean
Start	1826	End	2287
GI	none	Score	66
Exons	1826..2026, 2018..2287, 2022..2255		

Seq. No.	9712	Seq. ID	OJ990910_03.0229.C12
Gene No.	20705	Strand	-
Start	5318	End	5660
Name	OJ990910_03.0229.C12.o3.tm	Method	TBLASTX:Maize
Start	1848	End	2101
GI	none	Score	149
Exons	1848..2096, 1856..2101		

Seq. No.	9712	Seq. ID	OJ990910_03.0229.C12
Gene No.	20705	Strand	-
Start	5318	End	5660
Name	OJ990910_03.0229.C12.o3.tw	Method	TBLASTX:Wheat
Start	1856	End	2338
GI	none	Score	142
Exons	1856..2050, 1869..2039, 1879..2064, 1886..2056, 2055..2264, 2057..2338, 2070..2330		

Seq. No.	9712	Seq. ID	OJ990910_03.0229.C12
Gene No.	20705	Strand	-
Start	5318	End	5660
Name	OJ990910_03.0229.C12.o2.tw	Method	TBLASTX:Wheat
Start	2721	End	3292
GI	none	Score	293
Exons	2721..3095, 2721..2819, 2723..3076, 2919..3080, 3086..3292, 3104..3250, 3111..3275		

Seq. No.	9712	Seq. ID	OJ990910_03.0229.C12
Gene No.	20705	Strand	-
Start	5318	End	5660
Name	OJ990910_03.0229.C12.o4.ts	Method	TBLASTX:Soybean
Start	2849	End	3245
GI	none	Score	78
Exons	2849..3070, 3104..3244, 3111..3245		

Seq. No.	9712	Seq. ID	OJ990910_03.0229.C12
Gene No.	20705	Strand	-
Start	5318	End	5660
Name	OJ990910_03.0229.C12.o5.tm	Method	TBLASTX:Maize
Start	3053	End	3289
GI	none	Score	180
Exons	3053..3289, 3066..3287		

Seq. No.	9712	Seq. ID	OJ990910_03.0229.C12
Gene No.	20705	Strand	-
Start	5318	End	5660
Name	OJ990910_03.0229.C12.o2.gp	Method	AAT/GAP
Start	5318	End	5660
GI	2312718	Score	624
Exons	5318..5660		
GI Descrip.	4512233/dbj|AB014743.1|AB014743 1.0e-176 Oryza sativa copia-type		

retrotransposon RIRE7 DNA, partial sequence

Seq. No.	9713	Seq. ID	OJ990910_03.0229.C13
Gene No.	20706	Strand	-
Start	274	End	5305
Name	OJ990910_03.0229.C13.o1.np	Method	AAT/NAP
Start	274	End	5305
GI	4680179	Score	5201
Exons	274..2613, 3412..4472, 4506..5305		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	9713	Seq. ID	OJ990910_03.0229.C13
Gene No.	20706	Strand	-
Start	274	End	5305
Name	OJ990910_03.0229.C13.o5.tw	Method	TBLASTX:Wheat
Start	319	End	652
GI	none	Score	118
Exons	319..651, 340..648, 383..652		

Seq. No.	9713	Seq. ID	OJ990910_03.0229.C13
Gene No.	20706	Strand	-
Start	274	End	5305
Name	OJ990910_03.0229.C13.o1.tm	Method	TBLASTX:Maize
Start	499	End	1098
GI	none	Score	196
Exons	499..939, 515..937, 937..1098, 944..1090		

Seq. No.	9713	Seq. ID	OJ990910_03.0229.C13
Gene No.	20706	Strand	-
Start	274	End	5305
Name	OJ990910_03.0229.C13.o1.tw	Method	TBLASTX:Wheat
Start	652	End	1278
GI	none	Score	73
Exons	652..1278, 655..906, 764..1222		

Seq. No.	9713	Seq. ID	OJ990910_03.0229.C13
Gene No.	20706	Strand	-
Start	274	End	5305
Name	OJ990910_03.0229.C13.o3.tm	Method	TBLASTX:Maize
Start	1147	End	1439
GI	none	Score	211
Exons	1147..1437, 1151..1438, 1251..1439		

Seq. No.	9713	Seq. ID	OJ990910_03.0229.C13
Gene No.	20706	Strand	-
Start	274	End	5305
Name	OJ990910_03.0229.C13.o2.ts	Method	TBLASTX:Soybean
Start	1236	End	1497
GI	none	Score	143
Exons	1236..1373, 1237..1497, 1238..1492		

Seq. No.	9713	Seq. ID	OJ990910_03.0229.C13
Gene No.	20706	Strand	-
Start	274	End	5305
Name	OJ990910_03.0229.C13.o1.tc	Method	TBLASTX:Cress
Start	1261	End	1578
GI	none	Score	85

Exons	1261..1404, 1262..1402, 1405..1578		
Seq. No.	9713	Seq. ID	OJ990910_03.0229.C13
Gene No.	20706	Strand	-
Start	274	End	5305
Name	OJ990910_03.0229.C13.o2.tw	Method	TBLASTX:Wheat
Start	1285	End	1863
GI	none	Score	332
Exons	1285..1863, 1286..1852		
Seq. No.	9713	Seq. ID	OJ990910_03.0229.C13
Gene No.	20706	Strand	-
Start	274	End	5305
Name	OJ990910_03.0229.C13.o2.tm	Method	TBLASTX:Maize
Start	1852	End	2206
GI	none	Score	181
Exons	1852..2205, 1858..2205, 1859..2206		
Seq. No.	9713	Seq. ID	OJ990910_03.0229.C13
Gene No.	20706	Strand	-
Start	274	End	5305
Name	OJ990910_03.0229.C13.o3.tw	Method	TBLASTX:Wheat
Start	1864	End	2277
GI	none	Score	349
Exons	1864..2277, 1865..2245		
Seq. No.	9713	Seq. ID	OJ990910_03.0229.C13
Gene No.	20706	Strand	-
Start	274	End	5305
Name	OJ990910_03.0229.C13.o3.ts	Method	TBLASTX:Soybean
Start	2026	End	2271
GI	none	Score	99
Exons	2026..2271, 2027..2269		
Seq. No.	9713	Seq. ID	OJ990910_03.0229.C13
Gene No.	20706	Strand	-
Start	274	End	5305
Name	OJ990910_03.0229.C13.o5.tm	Method	TBLASTX:Maize
Start	2212	End	2558
GI	none	Score	92
Exons	2212..2328, 2306..2425, 2322..2426, 2436..2558		
Seq. No.	9713	Seq. ID	OJ990910_03.0229.C13
Gene No.	20706	Strand	-
Start	274	End	5305
Name	OJ990910_03.0229.C13.o7.tw	Method	TBLASTX:Wheat
Start	2278	End	2579
GI	none	Score	115
Exons	2278..2340, 2306..2428, 2322..2417, 2322..2429, 2345..2428, 2437..2577, 2439..2579		
Seq. No.	9713	Seq. ID	OJ990910_03.0229.C13
Gene No.	20706	Strand	-
Start	274	End	5305
Name	OJ990910_03.0229.C13.o1.ts	Method	TBLASTX:Soybean
Start	2306	End	3485
GI	none	Score	87

Exons	2306..2428, 2322..2426, 2439..2618, 2440..2583, 3414..3449, 3453..3485		
Seq. No.	9713	Seq. ID	OJ990910_03.0229.C13
Gene No.	20706	Strand	-
Start	274	End	5305
Name	OJ990910_03.0229.C13.o2.gs	Method	GENSCAN
Start	3408	End	5078
GI	none	Score	.95
Exons	3408..5078		
Seq. No.	9713	Seq. ID	OJ990910_03.0229.C13
Gene No.	20706	Strand	-
Start	274	End	5305
Name	OJ990910_03.0229.C13.o4.tm	Method	TBLASTX:Maize
Start	3414	End	3803
GI	none	Score	68
Exons	3414..3803, 3415..3573		
Seq. No.	9713	Seq. ID	OJ990910_03.0229.C13
Gene No.	20706	Strand	-
Start	274	End	5305
Name	OJ990910_03.0229.C13.o4.tw	Method	TBLASTX:Wheat
Start	3426	End	3908
GI	none	Score	250
Exons	3426..3803, 3469..3900, 3858..3908		
Seq. No.	9713	Seq. ID	OJ990910_03.0229.C13
Gene No.	20706	Strand	-
Start	274	End	5305
Name	OJ990910_03.0229.C13.o8.tw	Method	TBLASTX:Wheat
Start	4008	End	4445
GI	none	Score	68
Exons	4008..4049, 4077..4190, 4078..4191, 4236..4445, 4237..4389		
Seq. No.	9713	Seq. ID	OJ990910_03.0229.C13
Gene No.	20706	Strand	-
Start	274	End	5305
Name	OJ990910_03.0229.C13.o7.tm	Method	TBLASTX:Maize
Start	4128	End	4481
GI	none	Score	194
Exons	4128..4481		
Seq. No.	9713	Seq. ID	OJ990910_03.0229.C13
Gene No.	20706	Strand	-
Start	274	End	5305
Name	OJ990910_03.0229.C13.o6.tw	Method	TBLASTX:Wheat
Start	4761	End	5112
GI	none	Score	109
Exons	4761..5111, 4918..5112		
Seq. No.	9713	Seq. ID	OJ990910_03.0229.C13
Gene No.	20706	Strand	-
Start	274	End	5305
Name	OJ990910_03.0229.C13.o6.tm	Method	TBLASTX:Maize
Start	4806	End	5111
GI	none	Score	87

Exons	4806..5111, 4981..5097		
Seq. No.	9714	Seq. ID	OJ990910_03.0229.C14
Gene No.	20707	Strand	+
Start	2113	End	7385
Name	OJ990910_03.0229.C14.o2.np	Method	AAT/NAP
Start	2113	End	7385
GI	5852180	Score	474
Exons	2113..2168, 3156..3280, 3332..3734, 7352..7385		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		
Seq. No.	9714	Seq. ID	OJ990910_03.0229.C14
Gene No.	20708	Strand	-
Start	332	End	3717
Name	OJ990910_03.0229.C14.o1.gs	Method	GENSCAN
Start	332	End	3717
GI	none	Score	.7
Exons	332..520, 559..945, 1076..1140, 2863..3009, 3215..3351, 3479..3717		
Seq. No.	9714	Seq. ID	OJ990910_03.0229.C14
Gene No.	20708	Strand	-
Start	332	End	3717
Name	OJ990910_03.0229.C14.o1.gp	Method	AAT/GAP
Start	2017	End	2398
GI	uC-osflcyp033a04b1	Score	655
Exons	2017..2398		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	9715	Seq. ID	OJ990910_03.0229.C15
Gene No.	20709	Strand	+
Start	1706	End	3021
Name	OJ990910_03.0229.C15.o1.gs	Method	GENSCAN
Start	1706	End	3021
GI	none	Score	.85
Exons	1706..1830, 2163..2296, 2807..3021		
Seq. No.	9715	Seq. ID	OJ990910_03.0229.C15
Gene No.	20710	Strand	+
Start	4840	End	5323
Name	OJ990910_03.0229.C15.o1.np	Method	AAT/NAP
Start	4840	End	5323
GI	6705984	Score	404
Exons	4840..5323		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		
Seq. No.	9715	Seq. ID	OJ990910_03.0229.C15
Gene No.	20711	Strand	-
Start	3735	End	5220
Name	OJ990910_03.0229.C15.o2.gs	Method	GENSCAN
Start	3735	End	5106
GI	none	Score	.65
Exons	3735..4079, 5104..5106		
Seq. No.	9715	Seq. ID	OJ990910_03.0229.C15
Gene No.	20711	Strand	-

Start	3735	End	5220
Name	OJ990910_03.0229.C15.o1.tw	Method	TBLASTX:Wheat
Start	4837	End	5220
GI	none	Score	207
Exons	4837..5010, 4840..4998, 5012..5056, 5013..5168, 5013..5180, 5014..5220		

Seq. No.	9715	Seq. ID	OJ990910_03.0229.C15
Gene No.	20711	Strand	-
Start	3735	End	5220
Name	OJ990910_03.0229.C15.o1.tm	Method	TBLASTX:Maize
Start	4969	End	5205
GI	none	Score	269
Exons	4969..5205, 4975..5193		

Seq. No.	9715	Seq. ID	OJ990910_03.0229.C15
Gene No.	20711	Strand	-
Start	3735	End	5220
Name	OJ990910_03.0229.C15.o1.ts	Method	TBLASTX:Soybean
Start	4969	End	5205
GI	none	Score	261
Exons	4969..5205, 4975..5193		

Seq. No.	9716	Seq. ID	OJ990910_03.0229.C16
Gene No.	20712	Strand	+
Start	1	End	622
Name	OJ990910_03.0229.C16.o1.np	Method	AAT/NAP
Start	1	End	622
GI	6705984	Score	976
Exons	1..622		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	9716	Seq. ID	OJ990910_03.0229.C16
Gene No.	20712	Strand	+
Start	1	End	622
Name	OJ990910_03.0229.C16.o1.gs	Method	GENSCAN
Start	54	End	548
GI	none	Score	.4
Exons	54..548		

Seq. No.	9716	Seq. ID	OJ990910_03.0229.C16
Gene No.	20712	Strand	+
Start	1	End	622
Name	OJ990910_03.0229.C16.o1.tw	Method	TBLASTX:Wheat
Start	75	End	557
GI	none	Score	353
Exons	75..557, 179..553		

Seq. No.	9716	Seq. ID	OJ990910_03.0229.C16
Gene No.	20712	Strand	+
Start	1	End	622
Name	OJ990910_03.0229.C16.o1.tm	Method	TBLASTX:Maize
Start	141	End	611
GI	none	Score	401
Exons	141..518, 143..580, 144..611		

Seq. No.	9716	Seq. ID	OJ990910_03.0229.C16

Gene No.	20712	Strand	+
Start	1	End	622
Name	OJ990910_03.0229.C16.o1.tc	Method	TBLASTX:Cress
Start	222	End	524
GI	none	Score	180
Exons	222..524		

Seq. No.	9717	Seq. ID	OJ990910_03.0229.C18
Gene No.	20713	Strand	-
Start	1	End	296
Name	OJ990910_03.0229.C18.o1.np	Method	AAT/NAP
Start	1	End	296
GI	6815052	Score	339
Exons	1..61, 143..296		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	9717	Seq. ID	OJ990910_03.0229.C18
Gene No.	20713	Strand	-
Start	1	End	296
Name	OJ990910_03.0229.C18.o1.gs	Method	GENSCAN
Start	143	End	296
GI	none	Score	.88
Exons	143..296		

Seq. No.	9718	Seq. ID	OJ990910_03.0229.C19
Gene No.	20714	Strand	-
Start	192	End	642
Name	OJ990910_03.0229.C19.o1.gs	Method	GENSCAN
Start	192	End	642
GI	none	Score	.9
Exons	192..386, 456..642		

Seq. No.	9719	Seq. ID	OJ990910_03.0229.C23
Gene No.	20715	Strand	-
Start	157	End	923
Name	OJ990910_03.0229.C23.o1.gs	Method	GENSCAN
Start	157	End	869
GI	none	Score	.49
Exons	157..278, 716..869		

Seq. No.	9719	Seq. ID	OJ990910_03.0229.C23
Gene No.	20715	Strand	-
Start	157	End	923
Name	OJ990910_03.0229.C23.o1.np	Method	AAT/NAP
Start	160	End	923
GI	6815052	Score	393
Exons	160..279, 561..634, 716..923		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	9720	Seq. ID	OJ990910_03.0229.C25
Gene No.	20716	Strand	+
Start	1	End	1166
Name	OJ990910_03.0229.C25.o1.np	Method	AAT/NAP
Start	1	End	1166
GI	4680186	Score	340
Exons	1..117, 966..1166		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	9720	Seq. ID	OJ990910_03.0229.C25
Gene No.	20717	Strand	-
Start	718	End	1099
Name	OJ990910_03.0229.C25.o1.gp	Method	AAT/GAP
Start	718	End	1099
GI	uC-osflcyp033a04b1	Score	691
Exons	718..1099		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	9721	Seq. ID	OJ990910_03.0229.C28
Gene No.	20718	Strand	+
Start	324	End	2375
Name	OJ990910_03.0229.C28.o1.gs	Method	GENSCAN
Start	324	End	2375
GI	none	Score	.51
Exons	324..376, 500..645, 1071..1685, 1697..1861, 1939..2375		

Seq. No.	9721	Seq. ID	OJ990910_03.0229.C28
Gene No.	20719	Strand	-
Start	394	End	5532
Name	OJ990910_03.0229.C28.o1.np	Method	AAT/NAP
Start	394	End	3345
GI	6498436	Score	596
Exons	394..512, 781..1087, 3296..3345		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	9721	Seq. ID	OJ990910_03.0229.C28
Gene No.	20719	Strand	-
Start	394	End	5532
Name	OJ990910_03.0229.C28.o2.np	Method	AAT/NAP
Start	394	End	4411
GI	6815052	Score	486
Exons	394..512, 797..871, 953..1098, 1410..1634, 2942..3399, 3781..3994, 4293..4411		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	9721	Seq. ID	OJ990910_03.0229.C28
Gene No.	20719	Strand	-
Start	394	End	5532
Name	OJ990910_03.0229.C28.o2.gs	Method	GENSCAN
Start	4037	End	5532
GI	none	Score	.58
Exons	4037..4097, 4193..4325, 4677..5037, 5135..5532		

Seq. No.	9722	Seq. ID	OJ990910_03.0229.C29
Gene No.	20720	Strand	+
Start	213	End	1754
Name	OJ990910_03.0229.C29.o1.np	Method	AAT/NAP
Start	213	End	1548
GI	2522230	Score	310
Exons	213..278, 904..1548		
GI Descrip.	(AB007467) retrotransposon-like gene; the first amino acid was determined to be leucine [Vicia faba]		

Seq. No.	9722	Seq. ID	OJ990910_03.0229.C29

Gene No.	20720	Strand	+
Start	213	End	1754
Name	OJ990910_03.0229.C29.o1.gs	Method	GENSCAN
Start	832	End	1754
GI	none	Score	.89
Exons	832..1479, 1485..1754		

Seq. No.	9722	Seq. ID	OJ990910_03.0229.C29
Gene No.	20721	Strand	-
Start	2146	End	6590
Name	OJ990910_03.0229.C29.o2.np	Method	AAT/NAP
Start	2146	End	6590
GI	6815052	Score	1482
Exons	2146..2264, 2556..2630, 2712..3404, 3453..3602, 4382..4474, 5394..5481, 5865..6019, 6567..6590		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	9722	Seq. ID	OJ990910_03.0229.C29
Gene No.	20721	Strand	-
Start	2146	End	6590
Name	OJ990910_03.0229.C29.o1.tw	Method	TBLASTX:Wheat
Start	3663	End	4157
GI	none	Score	70
Exons	3663..3953, 3978..4136, 3978..4157		

Seq. No.	9722	Seq. ID	OJ990910_03.0229.C29
Gene No.	20721	Strand	-
Start	2146	End	6590
Name	OJ990910_03.0229.C29.o1.ts	Method	TBLASTX:Soybean
Start	3765	End	4139
GI	none	Score	104
Exons	3765..3959, 3954..4139		

Seq. No.	9723	Seq. ID	OJ990910_03.0229.C30
Gene No.	20722	Strand	+
Start	703	End	3340
Name	OJ990910_03.0229.C30.o2.np	Method	AAT/NAP
Start	703	End	3340
GI	6705984	Score	637
Exons	703..726, 2077..3340		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	9723	Seq. ID	OJ990910_03.0229.C30
Gene No.	20723	Strand	-
Start	59	End	515
Name	OJ990910_03.0229.C30.o1.np	Method	AAT/NAP
Start	59	End	515
GI	6498436	Score	249
Exons	59..515		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	9723	Seq. ID	OJ990910_03.0229.C30
Gene No.	20724	Strand	
Start	1070	End	1571
Name	OJ990910_03.0229.C30.o1.tm	Method	TBLASTX:Maize
Start	1070	End	1571
GI	none	Score	52

Exons	1070..1159, 1168..1395, 1188..1403, 1191..1391, 1199..1396, 1391..1444, 1392..1445, 1477..1542, 1503..1571, 1503..1571		
Seq. No.	9723	Seq. ID	OJ990910_03.0229.C30
Gene No.	20725	Strand	
Start	2097	End	2689
Name	OJ990910_03.0229.C30.o2.tm	Method	TBLASTX:Maize
Start	2097	End	2320
GI	none	Score	77
Exons	2097..2258, 2134..2316, 2135..2317, 2153..2320		
Seq. No.	9723	Seq. ID	OJ990910_03.0229.C30
Gene No.	20725	Strand	
Start	2097	End	2689
Name	OJ990910_03.0229.C30.o1.tw	Method	TBLASTX:Wheat
Start	2153	End	2689
GI	none	Score	115
Exons	2153..2320, 2171..2317, 2342..2689, 2348..2584, 2371..2649		
Seq. No.	9723	Seq. ID	OJ990910_03.0229.C30
Gene No.	20725	Strand	
Start	2097	End	2689
Name	OJ990910_03.0229.C30.o1.ts	Method	TBLASTX:Soybean
Start	2156	End	2539
GI	none	Score	124
Exons	2156..2317, 2339..2539		
Seq. No.	9724	Seq. ID	OJ990910_03.0229.C34
Gene No.	20726	Strand	-
Start	903	End	1178
Name	OJ990910_03.0229.C34.o1.np	Method	AAT/NAP
Start	903	End	1178
GI	6815052	Score	158
Exons	903..1036, 1130..1178		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		
Seq. No.	9725	Seq. ID	OJ990910_03.0229.C35
Gene No.	20727	Strand	-
Start	1463	End	2191
Name	OJ990910_03.0229.C35.o1.gs	Method	GENSCAN
Start	1463	End	2176
GI	none	Score	.91
Exons	1463..1584, 1867..2176		
Seq. No.	9725	Seq. ID	OJ990910_03.0229.C35
Gene No.	20727	Strand	-
Start	1463	End	2191
Name	OJ990910_03.0229.C35.o1.np	Method	AAT/NAP
Start	1466	End	2191
GI	6815052	Score	428
Exons	1466..1584, 1867..1942, 2024..2191		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		
Seq. No.	9726	Seq. ID	OJ990910_03.0229.C36
Gene No.	20728	Strand	-
Start	7	End	432
Name	OJ990910_03.0229.C36.o1.gs	Method	GENSCAN

Start	7	End	432
GI	none	Score	.54
Exons	7..432		

Seq. No.	9727	Seq. ID	OJ990910_03.0229.C37
Gene No.	20729	Strand	+
Start	144	End	588
Name	OJ990910_03.0229.C37.o1.gp	Method	AAT/GAP
Start	144	End	588
GI	25792_1.R1084	Score	651
Exons	144..588		
GI Descrip.	'4512233/dbj|AB014743.1|AB014743 0.0e+00 Oryza sativa copia-type retrotransposon RIRE7 DNA, partial sequence'		

Seq. No.	9727	Seq. ID	OJ990910_03.0229.C37
Gene No.	20729	Strand	+
Start	144	End	588
Name	OJ990910_03.0229.C37.o1.gs	Method	GENSCAN
Start	311	End	533
GI	none	Score	.9
Exons	311..533		

Seq. No.	9728	Seq. ID	OJ990820_04.0228.C1
Gene No.	20730	Strand	+
Start	180	End	518
Name	OJ990820_04.0228.C1.o1.np	Method	AAT/NAP
Start	180	End	518
GI	2316016	Score	152
Exons	180..518		
GI Descrip.	(U92650) MRP-like ABC transporter [Arabidopsis thaliana]		

Seq. No.	9728	Seq. ID	OJ990820_04.0228.C1
Gene No.	20730	Strand	+
Start	180	End	518
Name	OJ990820_04.0228.C1.o1.gs	Method	GENSCAN
Start	395	End	508
GI	none	Score	.57
Exons	395..508		

Seq. No.	9728	Seq. ID	OJ990820_04.0228.C1
Gene No.	20730	Strand	+
Start	180	End	518
Name	OJ990820_04.0228.C1.o1.ts	Method	TBLASTX:Soybean
Start	401	End	514
GI	none	Score	179
Exons	401..514, 409..507, 411..509		

Seq. No.	9729	Seq. ID	OJ990820_04.0228.C3
Gene No.	20731	Strand	+
Start	491	End	2909
Name	OJ990820_04.0228.C3.o1.gs	Method	GENSCAN
Start	491	End	2909
GI	none	Score	.48
Exons	491..628, 675..784, 1874..2003, 2237..2522, 2904..2909		

Seq. No.	9729	Seq. ID	OJ990820_04.0228.C3
Gene No.	20732	Strand	-

Start	234	End	447
Name	OJ990820_04.0228.C3.o1.gp	Method	AAT/GAP
Start	234	End	447
GI	LIB3434-038-P1-K1-F1	Score	354
Exons	234..447		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 0.0e+00 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	9729	Seq. ID	OJ990820_04.0228.C3
Gene No.	20733	Strand	-
Start	3115	End	11253
Name	OJ990820_04.0228.C3.o2.gs	Method	GENSCAN
Start	3115	End	11253
GI	none	Score	.65
Exons	3115..3882, 4239..4347, 4719..4831, 5955..5988, 6673..6785, 6846..7155, 7238..7296, 7366..7563, 7630..7754, 7948..7991, 8635..8739, 8896..9080, 11206..11253		

Seq. No.	9729	Seq. ID	OJ990820_04.0228.C3
Gene No.	20733	Strand	-
Start	3115	End	11253
Name	OJ990820_04.0228.C3.o2.tw	Method	TBLASTX:Wheat
Start	3136	End	3469
GI	none	Score	88
Exons	3136..3468, 3245..3469		

Seq. No.	9729	Seq. ID	OJ990820_04.0228.C3
Gene No.	20733	Strand	-
Start	3115	End	11253
Name	OJ990820_04.0228.C3.o1.tm	Method	TBLASTX:Maize
Start	3328	End	3912
GI	none	Score	282
Exons	3328..3756, 3329..3757, 3574..3768, 3686..3757, 3750..3884, 3754..3912, 3758..3910		

Seq. No.	9729	Seq. ID	OJ990820_04.0228.C3
Gene No.	20733	Strand	-
Start	3115	End	11253
Name	OJ990820_04.0228.C3.o1.tw	Method	TBLASTX:Wheat
Start	3469	End	4079
GI	none	Score	286
Exons	3469..3948, 3470..3928, 3505..3933, 3927..4079, 3940..4038		

Seq. No.	9729	Seq. ID	OJ990820_04.0228.C3
Gene No.	20733	Strand	-
Start	3115	End	11253
Name	OJ990820_04.0228.C3.o2.tm	Method	TBLASTX:Maize
Start	3963	End	4254
GI	none	Score	216
Exons	3963..4253, 3967..4254		

Seq. No.	9729	Seq. ID	OJ990820_04.0228.C3
Gene No.	20733	Strand	-
Start	3115	End	11253
Name	OJ990820_04.0228.C3.o1.ts	Method	TBLASTX:Soybean
Start	4056	End	4302
GI	none	Score	118

Exons	4056..4301, 4057..4302		
Seq. No.	9729	Seq. ID	OJ990820_04.0228.C3
Gene No.	20733	Strand	-
Start	3115	End	11253
Name	OJ990820_04.0228.C3.o3.tw	Method	TBLASTX:Wheat
Start	4110	End	4380
GI	none	Score	234
Exons	4110..4343, 4111..4380, 4111..4344, 4133..4375		
Seq. No.	9730	Seq. ID	OJ990820_04.0228.C4
Gene No.	20734	Strand	+
Start	7986	End	11953
Name	OJ990820_04.0228.C4.o2.np	Method	AAT/NAP
Start	7916	End	11953
GI	728868	Score	120
Exons	7916..8278, 11912..11953		
GI Descrip.	ANTER-SPECIFIC PROLINE-RICH PROTEIN APG (PROTEIN CEX) gi|99824|pir||S16748 proline-rich protein - rape (fragment) gi|22597|emb|CAA42924| (X60376) proline-rich protein [Brassica napus]		
Seq. No.	9730	Seq. ID	OJ990820_04.0228.C4
Gene No.	20734	Strand	+
Start	7986	End	11953
Name	OJ990820_04.0228.C4.o4.gs	Method	GENSCAN
Start	7986	End	9237
GI	none	Score	.91
Exons	7986..8162, 8258..8377, 8383..9237		
Seq. No.	9730	Seq. ID	OJ990820_04.0228.C4
Gene No.	20735	Strand	-
Start	1800	End	4087
Name	OJ990820_04.0228.C4.o1.np	Method	AAT/NAP
Start	1800	End	3663
GI	6721512	Score	97
Exons	1800..1929, 1957..2069, 3604..3663		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		
Seq. No.	9730	Seq. ID	OJ990820_04.0228.C4
Gene No.	20735	Strand	-
Start	1800	End	4087
Name	OJ990820_04.0228.C4.o2.gs	Method	GENSCAN
Start	3127	End	4087
GI	none	Score	.72
Exons	3127..3322, 3557..3702, 3713..4087		
Seq. No.	9730	Seq. ID	OJ990820_04.0228.C4
Gene No.	20736	Strand	-
Start	7152	End	7523
Name	OJ990820_04.0228.C4.o3.gs	Method	GENSCAN
Start	7152	End	7523
GI	none	Score	.69
Exons	7152..7523		
Seq. No.	9730	Seq. ID	OJ990820_04.0228.C4
Gene No.	20737	Strand	-

Start	11393	End	11941
Name	OJ990820_04.0228.C4.o5.gs	Method	GENSCAN
Start	11393	End	11941
GI	none	Score	.86
Exons	11393..11941		

Seq. No.	9731	Seq. ID	OJ990820_04.0228.C5
Gene No.	20738	Strand	-
Start	1507	End	2745
Name	OJ990820_04.0228.C5.o1.gs	Method	GENSCAN
Start	1507	End	2745
GI	none	Score	.88
Exons	1507..2745		

Seq. No.	9731	Seq. ID	OJ990820_04.0228.C5
Gene No.	20739	Strand	-
Start	4062	End	8844
Name	OJ990820_04.0228.C5.o2.gs	Method	GENSCAN
Start	4062	End	7083
GI	none	Score	.93
Exons	4062..4774, 5478..5582, 6132..7083		

Seq. No.	9731	Seq. ID	OJ990820_04.0228.C5
Gene No.	20739	Strand	-
Start	4062	End	8844
Name	OJ990820_04.0228.C5.o1.np	Method	AAT/NAP
Start	4065	End	8844
GI	6723392	Score	1230
Exons	4065..4774, 6132..6821, 8800..8844		
GI Descrip.	(AL132956) pectinesterase-like protein [Arabidopsis thaliana]		

Seq. No.	9731	Seq. ID	OJ990820_04.0228.C5
Gene No.	20739	Strand	-
Start	4062	End	8844
Name	OJ990820_04.0228.C5.o1.tc	Method	TBLASTX:Cress
Start	4069	End	6450
GI	none	Score	39
Exons	4069..4173, 4092..4364, 4225..4368, 4425..4775, 4438..4584, 4612..4638, 4705..4776, 6136..6378, 6137..6379, 6412..6450		

Seq. No.	9731	Seq. ID	OJ990820_04.0228.C5
Gene No.	20739	Strand	-
Start	4062	End	8844
Name	OJ990820_04.0228.C5.o1.ts	Method	TBLASTX:Soybean
Start	4089	End	6378
GI	none	Score	78
Exons	4089..4364, 4258..4362, 4425..4775, 4441..4776, 6136..6378, 6137..6370		

Seq. No.	9731	Seq. ID	OJ990820_04.0228.C5
Gene No.	20739	Strand	-
Start	4062	End	8844
Name	OJ990820_04.0228.C5.o1.tm	Method	TBLASTX:Maize
Start	4092	End	6451
GI	none	Score	61
Exons	4092..4157, 4093..4158, 4158..4364, 4273..4362, 4425..4775, 4429..4647, 4705..4773, 6133..6387, 6134..6376, 6412..6450,		

6416..6451

Seq. No.	9731	Seq. ID	OJ990820_04.0228.C5
Gene No.	20739	Strand	-
Start	4062	End	8844
Name	OJ990820_04.0228.C5.o1.tw	Method	TBLASTX:Wheat
Start	4305	End	4734
GI	none	Score	60
Exons	4305..4364, 4306..4362, 4425..4730, 4438..4734		

Seq. No.	9731	Seq. ID	OJ990820_04.0228.C5
Gene No.	20739	Strand	-
Start	4062	End	8844
Name	OJ990820_04.0228.C5.o2.tw	Method	TBLASTX:Wheat
Start	6136	End	6429
GI	none	Score	175
Exons	6136..6429		

Seq. No.	9732	Seq. ID	OJ990820_04.0228.C6
Gene No.	20740	Strand	+
Start	87	End	1385
Name	OJ990820_04.0228.C6.o1.gs	Method	GENSCAN
Start	87	End	1352
GI	none	Score	.96
Exons	87..1352		

Seq. No.	9732	Seq. ID	OJ990820_04.0228.C6
Gene No.	20740	Strand	+
Start	87	End	1385
Name	OJ990820_04.0228.C6.o2.tm	Method	TBLASTX:Maize
Start	153	End	1040
GI	none	Score	187
Exons	153..398, 221..391, 231..395, 327..560, 438..509, 472..591, 616..672, 624..686, 732..806, 755..799, 792..941, 829..912, 904..969, 922..1029, 937..1020, 939..1040, 939..1025		

Seq. No.	9732	Seq. ID	OJ990820_04.0228.C6
Gene No.	20740	Strand	+
Start	87	End	1385
Name	OJ990820_04.0228.C6.o1.gp	Method	AAT/GAP
Start	557	End	954
GI	3763520	Score	750
Exons	557..954		

Seq. No.	9732	Seq. ID	OJ990820_04.0228.C6
Gene No.	20740	Strand	+
Start	87	End	1385
Name	OJ990820_04.0228.C6.o2.gp	Method	AAT/GAP
Start	1084	End	1385
GI	85013_1.R1084	Score	551
Exons	1084..1385		
GI Descrip.	'6063530/dbj|AP000615.1|AP000615 2.0e-15 Oryza sativa genomic DNA, chromosome 3, clone:P0043E01'		

Seq. No.	9732	Seq. ID	OJ990820_04.0228.C6
Gene No.	20740	Strand	+
Start	87	End	1385

Name	OJ990820_04.0228.C6.o1.tm	Method	TBLASTX:Maize
Start	1145	End	1353
GI	none	Score	206
Exons	1145..1351, 1149..1352, 1161..1352, 1174..1353		

Seq. No.	9733	Seq. ID	OJ990820_04.0228.C7
Gene No.	20741	Strand	+
Start	297	End	554
Name	OJ990820_04.0228.C7.o1.gp	Method	AAT/GAP
Start	297	End	554
GI	85013_1.R1084	Score	462
Exons	297..554		
GI Descrip.	'6063530/dbj|AP000615.1|AP000615 2.0e-15 Oryza sativa genomic DNA, chromosome 3, clone:P0043E01'		

Seq. No.	9733	Seq. ID	OJ990820_04.0228.C7
Gene No.	20742	Strand	-
Start	280	End	1365
Name	OJ990820_04.0228.C7.o1.gs	Method	GENSCAN
Start	280	End	1365
GI	none	Score	.75
Exons	280..453, 1234..1365		

Seq. No.	9734	Seq. ID	OJ990820_04.0228.C8
Gene No.	20743	Strand	+
Start	1592	End	1958
Name	OJ990820_04.0228.C8.o1.gs	Method	GENSCAN
Start	1592	End	1958
GI	none	Score	.69
Exons	1592..1704, 1817..1958		

Seq. No.	9735	Seq. ID	OJ990820_04.0228.C9
Gene No.	20744	Strand	+
Start	7163	End	7453
Name	OJ990820_04.0228.C9.o2.gs	Method	GENSCAN
Start	7163	End	7453
GI	none	Score	.91
Exons	7163..7453		

Seq. No.	9735	Seq. ID	OJ990820_04.0228.C9
Gene No.	20745	Strand	+
Start	17306	End	17428
Name	OJ990820_04.0228.C9.o2.gp	Method	AAT/GAP
Start	17306	End	17428
GI	uC-osflcyp177c09a1	Score	218
Exons	17306..17428		
GI Descrip.	'6063530/dbj|AP000615.1|AP000615 2.0e-15 Oryza sativa genomic DNA, chromosome 3, clone:P0043E01'		

Seq. No.	9735	Seq. ID	OJ990820_04.0228.C9
Gene No.	20746	Strand	-
Start	801	End	10261
Name	OJ990820_04.0228.C9.o1.np	Method	AAT/NAP
Start	795	End	10261
GI	2316016	Score	3607
Exons	795..901, 986..1225, 1314..1377, 1466..1771, 2138..2352, 2447..2741, 3224..3388, 3507..4139, 4225..4311, 4765..6485,		

8002..8054, 10074..10261
GI Descrip. (U92650) MRP-like ABC transporter [Arabidopsis thaliana]

Seq. No.	9735	Seq. ID	OJ990820_04.0228.C9
Gene No.	20746	Strand	-
Start	801	End	10261
Name	OJ990820_04.0228.C9.o1.gs	Method	GENSCAN
Start	801	End	6513
GI	none	Score	.75
Exons	801..901, 986..1225, 1314..1377, 1466..1734, 2447..2741, 3687..4139, 4765..6513		

Seq. No.	9735	Seq. ID	OJ990820_04.0228.C9
Gene No.	20747	Strand	-
Start	11470	End	11556
Name	OJ990820_04.0228.C9.o2.np	Method	AAT/NAP
Start	11470	End	11556
GI	5852084	Score	90
Exons	11470..11556		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	9735	Seq. ID	OJ990820_04.0228.C9
Gene No.	20748	Strand	-
Start	12223	End	15134
Name	OJ990820_04.0228.C9.o1.tc	Method	TBLASTX:Cress
Start	810	End	6495
GI	none	Score	218
Exons	810..917, 984..1226, 985..1230, 1315..1380, 1461..1772, 1464..1775, 1466..1777, 2114..2332, 2133..2348, 2135..2347, 2493..2546, 2499..2744, 2503..2739, 2669..2746, 3212..3391, 3499..3888, 3507..4025, 3987..4148, 4069..4140, 4220..4318, 4222..4317, 4757..5650, 4758..5150, 4763..5176, 4765..5736, 5071..5208, 5345..6073, 5614..6165, 5723..6274, 5803..6273, 6202..6495, 6278..6439		

Seq. No.	9735	Seq. ID	OJ990820_04.0228.C9
Gene No.	20748	Strand	-
Start	12223	End	15134
Name	OJ990820_04.0228.C9.o1.tm	Method	TBLASTX:Maize
Start	810	End	4902
GI	none	Score	52
Exons	810..917, 819..902, 984..1220, 984..1226, 985..1227, 1318..1380, 1466..1777, 1467..1751, 2133..2351, 2135..2347, 2436..2747, 2437..2739, 3212..3391, 4783..4902		

Seq. No.	9735	Seq. ID	OJ990820_04.0228.C9
Gene No.	20748	Strand	-
Start	12223	End	15134
Name	OJ990820_04.0228.C9.o1.ts	Method	TBLASTX:Soybean
Start	1008	End	3328
GI	none	Score	130
Exons	1008..1229, 1008..1226, 1009..1230, 1318..1380, 1461..1763, 1461..1559, 1465..1764, 1466..1777, 1469..1774, 2131..2328, 2133..2348, 2135..2347, 2436..2744, 2449..2745, 3212..3328		

Seq. No.	9735	Seq. ID	OJ990820_04.0228.C9
Gene No.	20748	Strand	-

Start	12223	End	15134
Name	OJ990820_04.0228.C9.o2.tm	Method	TBLASTX:Maize
Start	3499	End	3809
GI	none	Score	277
Exons	3499..3807, 3507..3809, 3519..3809		

Seq. No.	9735	Seq. ID	OJ990820_04.0228.C9
Gene No.	20748	Strand	-
Start	12223	End	15134
Name	OJ990820_04.0228.C9.o3.ts	Method	TBLASTX:Soybean
Start	3750	End	4317
GI	none	Score	114
Exons	3750..3902, 3752..3886, 3754..3903, 3975..4148, 4220..4303, 4222..4317		

Seq. No.	9735	Seq. ID	OJ990820_04.0228.C9
Gene No.	20748	Strand	-
Start	12223	End	15134
Name	OJ990820_04.0228.C9.o2.ts	Method	TBLASTX:Soybean
Start	4803	End	5163
GI	none	Score	68
Exons	4803..4931, 4804..5163, 4805..5158, 4956..5159		

Seq. No.	9735	Seq. ID	OJ990820_04.0228.C9
Gene No.	20748	Strand	-
Start	12223	End	15134
Name	OJ990820_04.0228.C9.o3.tm	Method	TBLASTX:Maize
Start	4903	End	5115
GI	none	Score	220
Exons	4903..5115, 4904..5113, 4909..5115		

Seq. No.	9735	Seq. ID	OJ990820_04.0228.C9
Gene No.	20748	Strand	-
Start	12223	End	15134
Name	OJ990820_04.0228.C9.o4.tm	Method	TBLASTX:Maize
Start	5572	End	5994
GI	none	Score	195
Exons	5572..5994		

Seq. No.	9735	Seq. ID	OJ990820_04.0228.C9
Gene No.	20748	Strand	-
Start	12223	End	15134
Name	OJ990820_04.0228.C9.o3.np	Method	AAT/NAP
Start	12223	End	15134
GI	6063554	Score	261
Exons	12223..12403, 13032..13059, 14576..14794, 14919..15134		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	9735	Seq. ID	OJ990820_04.0228.C9
Gene No.	20748	Strand	-
Start	12223	End	15134
Name	OJ990820_04.0228.C9.o1.gp	Method	AAT/GAP
Start	14700	End	15056
GI	428878	Score	444
Exons	14700..15056		

GI Descrip.	6063530/dbj|AP000615.1|AP000615 2.0e-15 Oryza sativa genomic DNA, chromosome 3, clone:P0043E01		
Seq. No.	9736	Seq. ID	OJ990820_04.0228.C10
Gene No.	20749	Strand	+
Start	5288	End	9770
Name	OJ990820_04.0228.C10.o3.gs	Method	GENSCAN
Start	5288	End	9770
GI	none	Score	.62
Exons	5288..5374, 9633..9770		
Seq. No.	9736	Seq. ID	OJ990820_04.0228.C10
Gene No.	20750	Strand	-
Start	1	End	4402
Name	OJ990820_04.0228.C10.o1.np	Method	AAT/NAP
Start	1	End	2041
GI	5257263	Score	133
Exons	1..407, 1985..2041		
GI Descrip.	(AP000364) EST AU029260(E30024) corresponds to a region of the predicted gene.; Similar to Arabidopsis thaliana rd22 gene. (D10703) [Oryza sativa]		
Seq. No.	9736	Seq. ID	OJ990820_04.0228.C10
Gene No.	20750	Strand	-
Start	1	End	4402
Name	OJ990820_04.0228.C10.o1.gs	Method	GENSCAN
Start	4	End	2457
GI	none	Score	.56
Exons	4..530, 610..717, 821..922, 1038..1192, 1397..1964, 2319..2457		
Seq. No.	9736	Seq. ID	OJ990820_04.0228.C10
Gene No.	20750	Strand	-
Start	1	End	4402
Name	OJ990820_04.0228.C10.o1.gp	Method	AAT/GAP
Start	348	End	4402
GI	none	Score	1795
Exons	348..536, 610..717, 821..922, 1038..1136, 2359..2457, 3986..4402		
Seq. No.	9736	Seq. ID	OJ990820_04.0228.C10
Gene No.	20750	Strand	-
Start	1	End	4402
Name	OJ990820_04.0228.C10.o2.gs	Method	GENSCAN
Start	3604	End	4307
GI	none	Score	.73
Exons	3604..3692, 3986..4307		
Seq. No.	9736	Seq. ID	OJ990820_04.0228.C10
Gene No.	20751	Strand	-
Start	9639	End	10796
Name	OJ990820_04.0228.C10.o2.np	Method	AAT/NAP
Start	9639	End	10796
GI	5922628	Score	360
Exons	9639..9902, 10699..10796		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016861|dbj|BAA85204.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	9736	Seq. ID	OJ990820_04.0228.C10
Gene No.	20752	Strand	-
Start	10892	End	11436
Name	OJ990820_04.0228.C10.o2.tm	Method	TBLASTX:Maize
Start	28	End	2455
GI	none	Score	91
Exons	28..90, 29..91, 70..159, 71..178, 157..228, 277..408, 295..390, 452..532, 454..513, 2384..2455		

Seq. No.	9736	Seq. ID	OJ990820_04.0228.C10
Gene No.	20752	Strand	-
Start	10892	End	11436
Name	OJ990820_04.0228.C10.o3.tm	Method	TBLASTX:Maize
Start	7131	End	7922
GI	none	Score	52
Exons	7131..7259, 7137..7256, 7139..7402, 7140..7259, 7244..7366, 7248..7370, 7259..7378, 7260..7373, 7266..7373, 7269..7379, 7274..7381, 7274..7378, 7383..7529, 7403..7525, 7403..7528, 7407..7547, 7413..7535, 7413..7532, 7414..7566, 7414..7578, 7425..7526, 7429..7578, 7435..7530, 7457..7579, 7504..7581, 7516..7608, 7517..7609, 7570..7662, 7570..7662, 7597..7737, 7605..7745, 7606..7740, 7609..7788, 7609..7728, 7611..7742, 7620..7751, 7642..7740, 7642..7743, 7647..7742, 7791..7910, 7800..7901, 7803..7901, 7805..7888, 7809..7922, 7809..7886, 7809..7904, 7812..7919		

Seq. No.	9736	Seq. ID	OJ990820_04.0228.C10
Gene No.	20752	Strand	-
Start	10892	End	11436
Name	OJ990820_04.0228.C10.o3.np	Method	AAT/NAP
Start	10886	End	11436
GI	2316016	Score	355
Exons	10886..10992, 11077..11316, 11398..11436		
GI Descrip.	(U92650) MRP-like ABC transporter [Arabidopsis thaliana]		

Seq. No.	9736	Seq. ID	OJ990820_04.0228.C10
Gene No.	20752	Strand	-
Start	10892	End	11436
Name	OJ990820_04.0228.C10.o4:gs	Method	GENSCAN
Start	10892	End	11316
GI	none	Score	.49
Exons	10892..10992, 11077..11316		

Seq. No.	9736	Seq. ID	OJ990820_04.0228.C10
Gene No.	20752	Strand	-
Start	10892	End	11436
Name	OJ990820_04.0228.C10.o1.tc	Method	TBLASTX:Cress
Start	10901	End	11435
GI	none	Score	62
Exons	10901..11008, 10911..10997, 11075..11323, 11076..11318, 11399..11434, 11400..11435		

Seq. No.	9736	Seq. ID	OJ990820_04.0228.C10
Gene No.	20752	Strand	-
Start	10892	End	11436
Name	OJ990820_04.0228.C10.o1.ts	Method	TBLASTX:Soybean
Start	10901	End	11318

GI	none	Score	143
Exons	10901..11008, 11075..11317, 11094..11318		
Seq. No.	9736	Seq. ID	OJ990820_04.0228.C10
Gene No.	20752	Strand	-
Start	10892	End	11436
Name	OJ990820_04.0228.C10.o1.tm	Method	TBLASTX:Maize
Start	10929	End	11296
GI	none	Score	69
Exons	10929..10997, 10934..11008, 10958..11002, 11074..11190, 11074..11295, 11075..11296, 11076..11294, 11078..11296		
Seq. No.	9737	Seq. ID	OJ990820_04.0228.C12
Gene No.	20753	Strand	+
Start	18557	End	21933
Name	OJ990820_04.0228.C12.o2.gs	Method	GENSCAN
Start	18557	End	21551
GI	none	Score	.5
Exons	18557..18687, 21087..21313, 21424..21551		
Seq. No.	9737	Seq. ID	OJ990820_04.0228.C12
Gene No.	20753	Strand	+
Start	18557	End	21933
Name	OJ990820_04.0228.C12.o3.gp	Method	AAT/GAP
Start	21237	End	21933
GI	6012799	Score	1276
Exons	21237..21933		
Seq. No.	9737	Seq. ID	OJ990820_04.0228.C12
Gene No.	20754	Strand	-
Start	1736	End	14416
Name	OJ990820_04.0228.C12.o1.np	Method	AAT/NAP
Start	927	End	7251
GI	6522552	Score	778
Exons	927..996, 4897..5855, 6659..7251		
GI Descrip.	(AL132967) putative protein [Arabidopsis thaliana]		
Seq. No.	9737	Seq. ID	OJ990820_04.0228.C12
Gene No.	20754	Strand	-
Start	1736	End	14416
Name	OJ990820_04.0228.C12.o1.gs	Method	GENSCAN
Start	1736	End	14416
GI	none	Score	.54
Exons	1736..1804, 4439..4539, 4897..7542, 8883..9006, 9332..9460, 9600..9644, 9752..9848, 10197..10292, 13685..14061, 14372..14416		
Seq. No.	9737	Seq. ID	OJ990820_04.0228.C12
Gene No.	20754	Strand	-
Start	1736	End	14416
Name	OJ990820_04.0228.C12.o1.gp	Method	AAT/GAP
Start	3922	End	4029
GI	427308	Score	180
Exons	3922..4029		
Seq. No.	9737	Seq. ID	OJ990820_04.0228.C12
Gene No.	20754	Strand	-
Start	1736	End	14416

Name	OJ990820_04.0228.C12.o1.ts	Method	TBLASTX:Soybean
Start	4913	End	5440
GI	none	Score	83
Exons	4913..5215, 4974..5210, 5240..5440, 5265..5411		

Seq. No.	9737	Seq. ID	OJ990820_04.0228.C12
Gene No.	20754	Strand	-
Start	1736	End	14416
Name	OJ990820_04.0228.C12.o2.tc	Method	TBLASTX:Cress
Start	4913	End	5215
GI	none	Score	189
Exons	4913..5215		

Seq. No.	9737	Seq. ID	OJ990820_04.0228.C12
Gene No.	20754	Strand	-
Start	1736	End	14416
Name	OJ990820_04.0228.C12.o1.tm	Method	TBLASTX:Maize
Start	4961	End	5410
GI	none	Score	88
Exons	4961..5239, 4962..5120, 5240..5410, 5241..5402		

Seq. No.	9737	Seq. ID	OJ990820_04.0228.C12
Gene No.	20754	Strand	-
Start	1736	End	14416
Name	OJ990820_04.0228.C12.o1.tc	Method	TBLASTX:Cress
Start	5243	End	7322
GI	none	Score	71
Exons	5243..5329, 5333..5443, 5372..5542, 5456..5632, 5642..5734, 5654..6079, 5678..5755, 5765..5872, 5840..6058, 6203..6319, 6368..6451, 6464..6679, 6467..6676, 6755..6892, 6902..7015, 6902..7021, 7065..7322, 7070..7210, 7085..7321, 7178..7309		

Seq. No.	9737	Seq. ID	OJ990820_04.0228.C12
Gene No.	20754	Strand	-
Start	1736	End	14416
Name	OJ990820_04.0228.C12.o1.tw	Method	TBLASTX:Wheat
Start	5315	End	7021
GI	none	Score	70
Exons	5315..5593, 5315..5614, 5636..5782, 5693..5929, 5834..6079, 6191..6319, 6347..6484, 6398..6679, 6902..7021		

Seq. No.	9737	Seq. ID	OJ990820_04.0228.C12
Gene No.	20754	Strand	-
Start	1736	End	14416
Name	OJ990820_04.0228.C12.o2.tm	Method	TBLASTX:Maize
Start	5411	End	6991
GI	none	Score	60
Exons	5411..5632, 5633..5845, 5840..6094, 6203..6346, 6344..6541, 6365..6676, 6713..6850, 6716..6850, 6902..6991		

Seq. No.	9737	Seq. ID	OJ990820_04.0228.C12
Gene No.	20754	Strand	-
Start	1736	End	14416
Name	OJ990820_04.0228.C12.o2.ts	Method	TBLASTX:Soybean
Start	5453	End	7321
GI	none	Score	88
Exons	5453..5593, 5645..5881, 5849..5986, 5906..6076, 6347..6595,		

6515..6679, 6698..6889, 6821..6889, 6902..7021, 7142..7321

Seq. No.	9738	Seq. ID	OJ990820_04.0228.C13
Gene No.	20755	Strand	+
Start	1920	End	2327
Name	OJ990820_04.0228.C13.o1.gs	Method	GENSCAN
Start	1920	End	2327
GI	none	Score	1
Exons	1920..2327		

Seq. No.	9738	Seq. ID	OJ990820_04.0228.C13
Gene No.	20756	Strand	+
Start	2512	End	7922
Name	OJ990820_04.0228.C13.o1.np	Method	AAT/NAP
Start	2512	End	7922
GI	4512618	Score	1671
Exons	2512..2612, 3165..3859, 4089..5653, 5905..7501, 7771..7922		
GI Descrip.	(AC004793) Strong similarity to gi|3600044 T12H20.12 protease homolog from Arabidopsis thaliana BAC gb|AF080119 and is a member of the reverse transcriptase family PF|00078.		

Seq. No.	9738	Seq. ID	OJ990820_04.0228.C13
Gene No.	20756	Strand	+
Start	2512	End	7922
Name	OJ990820_04.0228.C13.o2.gs	Method	GENSCAN
Start	3157	End	7525
GI	none	Score	.61
Exons	3157..3387, 3514..3668, 4112..4306, 4431..4583, 5008..5144, 5384..5509, 5741..5872, 5975..6760, 6791..6859, 6963..7525		

Seq. No.	9738	Seq. ID	OJ990820_04.0228.C13
Gene No.	20757	Strand	+
Start	9272	End	9480
Name	OJ990820_04.0228.C13.o2.gp	Method	AAT/GAP
Start	9272	End	9480
GI	uC-osflcyp177c09a1	Score	304
Exons	9272..9480		
GI Descrip.	'6063530/dbj|AP000615.1|AP000615 2.0e-15 Oryza sativa genomic DNA, chromosome 3, clone:P0043E01'		

Seq. No.	9738	Seq. ID	OJ990820_04.0228.C13
Gene No.	20758	Strand	+
Start	18039	End	18237
Name	OJ990820_04.0228.C13.o3.gp	Method	AAT/GAP
Start	18039	End	18237
GI	LIB3477-003-P1-K1-E9	Score	96
Exons	18039..18067, 18176..18237		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	9738	Seq. ID	OJ990820_04.0228.C13
Gene No.	20759	Strand	-
Start	9361	End	19648
Name	OJ990820_04.0228.C13.o7.tm	Method	TBLASTX:Maize
Start	3226	End	3663
GI	none	Score	44

Exons	3226..3264, 3283..3348, 3394..3663, 3411..3590		
Seq. No.	9738	Seq. ID	OJ990820_04.0228.C13
Gene No.	20759	Strand	-
Start	9361	End	19648
Name	OJ990820_04.0228.C13.o10.tm	Method	TBLASTX:Maize
Start	4537	End	4947
GI	none	Score	76
Exons	4537..4623, 4543..4614, 4671..4688, 4672..4731, 4765..4818, 4821..4928, 4822..4947		
Seq. No.	9738	Seq. ID	OJ990820_04.0228.C13
Gene No.	20759	Strand	-
Start	9361	End	19648
Name	OJ990820_04.0228.C13.o4.tm	Method	TBLASTX:Maize
Start	5047	End	5472
GI	none	Score	123
Exons	5047..5154, 5051..5152, 5114..5251, 5240..5326, 5330..5395, 5392..5472		
Seq. No.	9738	Seq. ID	OJ990820_04.0228.C13
Gene No.	20759	Strand	-
Start	9361	End	19648
Name	OJ990820_04.0228.C13.o2.ts	Method	TBLASTX:Soybean
Start	5989	End	6584
GI	5509260	Score	331
Exons	5989..6582, 6411..6584		
GI Descrip.	-		
Seq. No.	9738	Seq. ID	OJ990820_04.0228.C13
Gene No.	20759	Strand	-
Start	9361	End	19648
Name	OJ990820_04.0228.C13.o5.tm	Method	TBLASTX:Maize
Start	6132	End	6384
GI	none	Score	82
Exons	6132..6290, 6132..6383, 6133..6384		
Seq. No.	9738	Seq. ID	OJ990820_04.0228.C13
Gene No.	20759	Strand	-
Start	9361	End	19648
Name	OJ990820_04.0228.C13.o1.tc	Method	TBLASTX:Cress
Start	6219	End	6471
GI	none	Score	201
Exons	6219..6284, 6220..6471, 6309..6449		
Seq. No.	9738	Seq. ID	OJ990820_04.0228.C13
Gene No.	20759	Strand	-
Start	9361	End	19648
Name	OJ990820_04.0228.C13.o4.tw	Method	TBLASTX:Wheat
Start	6252	End	6798
GI	none	Score	256
Exons	6252..6596, 6253..6597, 6583..6798, 6639..6689, 6747..6782		
Seq. No.	9738	Seq. ID	OJ990820_04.0228.C13
Gene No.	20759	Strand	-
Start	9361	End	19648
Name	OJ990820_04.0228.C13.o1.tm	Method	TBLASTX:Maize

Start	6384	End	6831
GI	none	Score	553
Exons	6384..6818, 6385..6831, 6391..6831		

Seq. No.	9738	Seq. ID	OJ990820_04.0228.C13
Gene No.	20759	Strand	-
Start	9361	End	19648
Name	OJ990820_04.0228.C13.o2.tm	Method	TBLASTX:Maize
Start	6838	End	7162
GI	none	Score	50
Exons	6838..6873, 6887..7162, 6887..7003, 7036..7149, 7040..7162		

Seq. No.	9738	Seq. ID	OJ990820_04.0228.C13
Gene No.	20759	Strand	-
Start	9361	End	19648
Name	OJ990820_04.0228.C13.o1.ts	Method	TBLASTX:Soybean
Start	6887	End	7381
GI	none	Score	389
Exons	6887..7381, 7051..7170, 7100..7378		

Seq. No.	9738	Seq. ID	OJ990820_04.0228.C13
Gene No.	20759	Strand	-
Start	9361	End	19648
Name	OJ990820_04.0228.C13.o5.tw	Method	TBLASTX:Wheat
Start	6887	End	7090
GI	none	Score	186
Exons	6887..7090, 6899..7018		

Seq. No.	9738	Seq. ID	OJ990820_04.0228.C13
Gene No.	20759	Strand	-
Start	9361	End	19648
Name	OJ990820_04.0228.C13.o3.tm	Method	TBLASTX:Maize
Start	7163	End	7495
GI	none	Score	285
Exons	7163..7417, 7163..7405, 7216..7416, 7457..7495, 7459..7491		

Seq. No.	9738	Seq. ID	OJ990820_04.0228.C13
Gene No.	20759	Strand	-
Start	9361	End	19648
Name	OJ990820_04.0228.C13.o2.np	Method	AAT/NAP
Start	9346	End	11569
GI	5257263	Score	222
Exons	9346..9918, 11543..11569		
GI Descrip.	(AP000364) EST AU029260(E30024) corresponds to a region of the predicted gene.; Similar to Arabidopsis thaliana rd22 gene. (D10703) [Oryza sativa]		

Seq. No.	9738	Seq. ID	OJ990820_04.0228.C13
Gene No.	20759	Strand	-
Start	9361	End	19648
Name	OJ990820_04.0228.C13.o3.gs	Method	GENSCAN
Start	9361	End	19648
GI	none	Score	.46
Exons	9361..9744, 9818..9981, 10551..12587, 13122..13324, 13337..13862, 14609..14878, 15191..15272, 15370..15570, 15737..16199, 17257..17396, 17493..17615, 18464..19648		

Seq. No.	9738	Seq. ID	OJ990820_04.0228.C13
Gene No.	20759	Strand	-
Start	9361	End	19648
Name	OJ990820_04.0228.C13.o6.tm	Method	TBLASTX:Maize
Start	9418	End	9992
GI	none	Score	49
Exons	9418..9477, 9427..9486, 9526..9624, 9530..9625, 9604..9693, 9605..9712, 9704..9778, 9794..9904, 9798..9992		

Seq. No.	9738	Seq. ID	OJ990820_04.0228.C13
Gene No.	20759	Strand	-
Start	9361	End	19648
Name	OJ990820_04.0228.C13.o3.np	Method	AAT/NAP
Start	9517	End	14568
GI	2583130	Score	1667
Exons	9517..9554, 10272..10321, 10505..10973, 11026..14568		
GI Descrip.	(AC002387) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	9738	Seq. ID	OJ990820_04.0228.C13
Gene No.	20759	Strand	-
Start	9361	End	19648
Name	OJ990820_04.0228.C13.o3.tw	Method	TBLASTX:Wheat
Start	11026	End	11445
GI	none	Score	65
Exons	11026..11427, 11039..11122, 11164..11445		

Seq. No.	9738	Seq. ID	OJ990820_04.0228.C13
Gene No.	20759	Strand	-
Start	9361	End	19648
Name	OJ990820_04.0228.C13.o9.tm	Method	TBLASTX:Maize
Start	11863	End	12235
GI	none	Score	127
Exons	11863..12234, 11873..12235		

Seq. No.	9738	Seq. ID	OJ990820_04.0228.C13
Gene No.	20759	Strand	-
Start	9361	End	19648
Name	OJ990820_04.0228.C13.o2.tw	Method	TBLASTX:Wheat
Start	12031	End	12427
GI	none	Score	189
Exons	12031..12075, 12046..12321, 12047..12322, 12076..12327, 12328..12426, 12329..12427		

Seq. No.	9738	Seq. ID	OJ990820_04.0228.C13
Gene No.	20759	Strand	-
Start	9361	End	19648
Name	OJ990820_04.0228.C13.o8.tm	Method	TBLASTX:Maize
Start	12391	End	13023
GI	none	Score	103
Exons	12391..12519, 12562..12834, 12868..13023		

Seq. No.	9738	Seq. ID	OJ990820_04.0228.C13
Gene No.	20759	Strand	-
Start	9361	End	19648
Name	OJ990820_04.0228.C13.o3.ts	Method	TBLASTX:Soybean
Start	12547	End	12846

GI	none	Score	198
Exons	12547..12846		
Seq. No.	9738	Seq. ID	OJ990820_04.0228.C13
Gene No.	20759	Strand	-
Start	9361	End	19648
Name	OJ990820_04.0228.C13.o1.tw	Method	TBLASTX:Wheat
Start	12598	End	12979
GI	none	Score	162
Exons	12598..12765, 12599..12772, 12747..12968, 12757..12969, 12760..12978, 12764..12979		
Seq. No.	9738	Seq. ID	OJ990820_04.0228.C13
Gene No.	20759	Strand	-
Start	9361	End	19648
Name	OJ990820_04.0228.C13.o4.ts	Method	TBLASTX:Soybean
Start	13198	End	13605
GI	none	Score	99
Exons	13198..13497, 13480..13605		
Seq. No.	9739	Seq. ID	OJ990820_04.0228.C14
Gene No.	20760	Strand	+
Start	5338	End	8040
Name	OJ990820_04.0228.C14.o2.gs	Method	GENSCAN
Start	5338	End	8026
GI	none	Score	.88
Exons	5338..5609, 6366..6407, 7102..8026		
Seq. No.	9739	Seq. ID	OJ990820_04.0228.C14
Gene No.	20760	Strand	+
Start	5338	End	8040
Name	OJ990820_04.0228.C14.o1.np	Method	AAT/NAP
Start	5453	End	8040
GI	2316016	Score	741
Exons	5453..5657, 7191..8040		
GI Descrip.	(U92650) MRP-like ABC transporter [Arabidopsis thaliana]		
Seq. No.	9739	Seq. ID	OJ990820_04.0228.C14
Gene No.	20761	Strand	-
Start	1142	End	2826
Name	OJ990820_04.0228.C14.o1.gs	Method	GENSCAN
Start	1142	End	2826
GI	none	Score	.81
Exons	1142..1258, 1327..1698, 2335..2826		
Seq. No.	9739	Seq. ID	OJ990820_04.0228.C14
Gene No.	20762	Strand	
Start	7193	End	8026
Name	OJ990820_04.0228.C14.o1.tc	Method	TBLASTX:Cress
Start	7193	End	8026
GI	none	Score	108
Exons	7193..7363, 7201..7362, 7366..7917, 7367..7678, 7475..8026, 7739..7837, 7904..8026		
Seq. No.	9740	Seq. ID	OJ990820_04.0228.C15
Gene No.	20763	Strand	+
Start	1	End	2339

Name	OJ990820_04.0228.C15.o1.np	Method	AAT/NAP
Start	1	End	2339
GI	2316016	Score	1065
Exons	1..114, 548..634, 720..1350, 1470..1634, 2116..2339		
GI Descrip.	(U92650) MRP-like ABC transporter [Arabidopsis thaliana]		

Seq. No.	9740	Seq. ID	OJ990820_04.0228.C15
Gene No.	20763	Strand	+
Start	1	End	2339
Name	OJ990820_04.0228.C15.o1.tc	Method	TBLASTX:Cress
Start	1	End	2339
GI	none	Score	185
Exons	1..114, 3..122, 539..637, 541..639, 719..790, 720..872, 937..1356, 969..1349, 1009..1350, 1470..1646, 2113..2337, 2118..2339		

Seq. No.	9740	Seq. ID	OJ990820_04.0228.C15
Gene No.	20763	Strand	+
Start	1	End	2339
Name	OJ990820_04.0228.C15.o1.gs	Method	GENSCAN
Start	16	End	2256
GI	none	Score	.54
Exons	16..114, 548..634, 720..891, 905..1350, 2116..2256		

Seq. No.	9740	Seq. ID	OJ990820_04.0228.C15
Gene No.	20763	Strand	+
Start	1	End	2339
Name	OJ990820_04.0228.C15.o2.ts	Method	TBLASTX:Soybean
Start	22	End	884
GI	none	Score	153
Exons	22..114, 24..122, 539..637, 541..639, 710..778, 720..884		

Seq. No.	9740	Seq. ID	OJ990820_04.0228.C15
Gene No.	20763	Strand	+
Start	1	End	2339
Name	OJ990820_04.0228.C15.o1.ts	Method	TBLASTX:Soybean
Start	958	End	2337
GI	none	Score	360
Exons	958..1356, 960..1352, 1472..1627, 1473..1646, 2110..2337		

Seq. No.	9740	Seq. ID	OJ990820_04.0228.C15
Gene No.	20763	Strand	+
Start	1	End	2339
Name	OJ990820_04.0228.C15.o1.tm	Method	TBLASTX:Maize
Start	1048	End	1581
GI	none	Score	398
Exons	1048..1350, 1050..1349, 1469..1579, 1470..1580, 1471..1581		

Seq. No.	9740	Seq. ID	OJ990820_04.0228.C15
Gene No.	20763	Strand	+
Start	1	End	2339
Name	OJ990820_04.0228.C15.o2.tm	Method	TBLASTX:Maize
Start	2112	End	2337
GI	none	Score	83
Exons	2112..2246, 2113..2337, 2118..2336		

Seq. No.	9741	Seq. ID	OJ990820_04.0228.C16

Gene No.	20764	Strand	+
Start	1	End	428
Name	OJ990820_04.0228.C16.o1.np	Method	AAT/NAP
Start	1	End	428
GI	6498436	Score	411
Exons	1..428		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	9741	Seq. ID	OJ990820_04.0228.C16
Gene No.	20764	Strand	+
Start	1	End	428
Name	OJ990820_04.0228.C16.o1.gs	Method	GENSCAN
Start	97	End	346
GI	none	Score	.49
Exons	97..346		

Seq. No.	9742	Seq. ID	OJ000119_23.0229.C1
Gene No.	20765	Strand	-
Start	1170	End	2324
Name	OJ000119_23.0229.C1.o1.gs	Method	GENSCAN
Start	1170	End	2249
GI	none	Score	.4
Exons	1170..2249		

Seq. No.	9742	Seq. ID	OJ000119_23.0229.C1
Gene No.	20765	Strand	-
Start	1170	End	2324
Name	OJ000119_23.0229.C1.o1.np	Method	AAT/NAP
Start	1170	End	2324
GI	4755201	Score	1334
Exons	1170..2324		
GI Descrip.	(AC007018) putative N-acetylglucosaminyltransferase [Arabidopsis thaliana]		

Seq. No.	9742	Seq. ID	OJ000119_23.0229.C1
Gene No.	20765	Strand	-
Start	1170	End	2324
Name	OJ000119_23.0229.C1.o1.ts	Method	TBLASTX:Soybean
Start	1173	End	2012
GI	none	Score	378
Exons	1173..2012, 1267..1737, 1807..2010		

Seq. No.	9742	Seq. ID	OJ000119_23.0229.C1
Gene No.	20765	Strand	-
Start	1170	End	2324
Name	OJ000119_23.0229.C1.o2.tm	Method	TBLASTX:Maize
Start	1176	End	1383
GI	none	Score	55
Exons	1176..1382, 1177..1212, 1177..1383, 1181..1381, 1182..1382, 1264..1383		

Seq. No.	9742	Seq. ID	OJ000119_23.0229.C1
Gene No.	20765	Strand	-
Start	1170	End	2324
Name	OJ000119_23.0229.C1.o1.tm	Method	TBLASTX:Maize
Start	1384	End	1798
GI	none	Score	61

Exons	1384..1422, 1425..1523, 1425..1547, 1426..1548, 1486..1593, 1487..1597, 1525..1635, 1530..1640, 1530..1640, 1632..1793, 1644..1793, 1651..1797, 1658..1798		
Seq. No.	9743	Seq. ID	OJ000119_23.0229.C2
Gene No.	20766	Strand	+
Start	93	End	1222
Name	OJ000119_23.0229.C2.o1.gs	Method	GENSCAN
Start	93	End	1222
GI	none	Score	.7
Exons	93..139, 864..981, 1211..1222		
Seq. No.	9743	Seq. ID	OJ000119_23.0229.C2
Gene No.	20767	Strand	-
Start	2419	End	5141
Name	OJ000119_23.0229.C2.o2.gs	Method	GENSCAN
Start	2419	End	5141
GI	none	Score	.44
Exons	2419..2499, 2865..2899, 3440..3523, 3966..4055, 4620..4678, 4754..5090, 5123..5141		
Seq. No.	9743	Seq. ID	OJ000119_23.0229.C2
Gene No.	20767	Strand	-
Start	2419	End	5141
Name	OJ000119_23.0229.C2.o1.gp	Method	AAT/GAP
Start	4619	End	5110
GI	2428027	Score	790
Exons	4619..4678, 4754..5110		
Seq. No.	9744	Seq. ID	OJ000119_23.0229.C3
Gene No.	20768	Strand	+
Start	575	End	3010
Name	OJ000119_23.0229.C3.o1.gs	Method	GENSCAN
Start	575	End	3010
GI	none	Score	.53
Exons	575..646, 1403..1669, 2866..3010		
Seq. No.	9744	Seq. ID	OJ000119_23.0229.C3
Gene No.	20768	Strand	+
Start	575	End	3010
Name	OJ000119_23.0229.C3.o1.np	Method	AAT/NAP
Start	1338	End	1868
GI	6539570	Score	166
Exons	1338..1541, 1797..1868		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		
Seq. No.	9745	Seq. ID	OJ000119_23.0229.C4
Gene No.	20769	Strand	+
Start	110	End	2107
Name	OJ000119_23.0229.C4.o1.gs	Method	GENSCAN
Start	110	End	2107
GI	none	Score	1
Exons	110..2107		
Seq. No.	9745	Seq. ID	OJ000119_23.0229.C4
Gene No.	20769	Strand	+
Start	110	End	2107

Name	OJ000119_23.0229.C4.o1.np	Method	AAT/NAP
Start	110	End	2104
GI	5257264	Score	2224
Exons	110..2104		
GI Descrip.	(AP000364) ESTs AU064813(E40579),D24600(R2232) correspond to a region of the predicted gene.; Similar to Human mRNA for KIAA0255 gene. (D87444) [Oryza sativa]		

Seq. No.	9745	Seq. ID	OJ000119_23.0229.C4
Gene No.	20770	Strand	-
Start	2088	End	2457
Name	OJ000119_23.0229.C4.o4.ts	Method	TBLASTX:Soybean
Start	178	End	439
GI	none	Score	149
Exons	178..318, 179..319, 317..439		

Seq. No.	9745	Seq. ID	OJ000119_23.0229.C4
Gene No.	20770	Strand	-
Start	2088	End	2457
Name	OJ000119_23.0229.C4.o2.tc	Method	TBLASTX:Cress
Start	182	End	802
GI	none	Score	160
Exons	182..319, 320..406, 449..535, 608..685, 764..802		

Seq. No.	9745	Seq. ID	OJ000119_23.0229.C4
Gene No.	20770	Strand	-
Start	2088	End	2457
Name	OJ000119_23.0229.C4.o1.tm	Method	TBLASTX:Maize
Start	184	End	2107
GI	none	Score	309
Exons	184..456, 185..421, 416..589, 445..534, 568..588, 605..670, 764..841, 766..840, 878..1387, 889..1065, 935..1408, 1391..1666, 1402..1665, 1641..1685, 1654..2103, 1655..1762, 1693..1785, 1817..2107		

Seq. No.	9745	Seq. ID	OJ000119_23.0229.C4
Gene No.	20770	Strand	-
Start	2088	End	2457
Name	OJ000119_23.0229.C4.o3.ts	Method	TBLASTX:Soybean
Start	490	End	694
GI	none	Score	301
Exons	490..693, 491..694		

Seq. No.	9745	Seq. ID	OJ000119_23.0229.C4
Gene No.	20770	Strand	-
Start	2088	End	2457
Name	OJ000119_23.0229.C4.o2.tw	Method	TBLASTX:Wheat
Start	563	End	973
GI	none	Score	49
Exons	563..589, 611..658, 758..841, 766..834, 878..973, 892..972, 932..973		

Seq. No.	9745	Seq. ID	OJ000119_23.0229.C4
Gene No.	20770	Strand	-
Start	2088	End	2457
Name	OJ000119_23.0229.C4.o2.ts	Method	TBLASTX:Soybean
Start	758	End	1216

GI	none	Score	678
Exons	758..1216, 760..1062, 935..1216		

Seq. No.	9745	Seq. ID	OJ000119_23.0229.C4
Gene No.	20770	Strand	-
Start	2088	End	2457
Name	OJ000119_23.0229.C4.o3.tc	Method	TBLASTX:Cress
Start	887	End	1117
GI	none	Score	246
Exons	887..1117, 895..1053, 947..1114		

Seq. No.	9745	Seq. ID	OJ000119_23.0229.C4
Gene No.	20770	Strand	-
Start	2088	End	2457
Name	OJ000119_23.0229.C4.o1.tc	Method	TBLASTX:Cress
Start	1123	End	2065
GI	none	Score	84
Exons	1123..1299, 1142..1387, 1144..1386, 1391..1474, 1402..1470, 1448..1762, 1465..1869, 1474..1791, 1817..1867, 1863..1946, 2021..2065		

Seq. No.	9745	Seq. ID	OJ000119_23.0229.C4
Gene No.	20770	Strand	-
Start	2088	End	2457
Name	OJ000119_23.0229.C4.o1.tw	Method	TBLASTX:Wheat
Start	1175	End	1521
GI	none	Score	272
Exons	1175..1387, 1199..1405, 1402..1521, 1403..1516		

Seq. No.	9745	Seq. ID	OJ000119_23.0229.C4
Gene No.	20770	Strand	-
Start	2088	End	2457
Name	OJ000119_23.0229.C4.o1.ts	Method	TBLASTX:Soybean
Start	1226	End	2107
GI	none	Score	209
Exons	1226..1387, 1226..1375, 1252..1386, 1378..2025, 1391..1762, 1817..2014, 2018..2107, 2020..2103		

Seq. No.	9745	Seq. ID	OJ000119_23.0229.C4
Gene No.	20770	Strand	-
Start	2088	End	2457
Name	OJ000119_23.0229.C4.o1.gp	Method	AAT/GAP
Start	2088	End	2457
GI	none	Score	537
Exons	2088..2457		

Seq. No.	9746	Seq. ID	OJ000119_23.0229.C8
Gene No.	20771	Strand	+
Start	1	End	526
Name	OJ000119_23.0229.C8.o1.np	Method	AAT/NAP
Start	1	End	384
GI	2462134	Score	235
Exons	1..384		
GI Descrip.	(Y13368) reverse transcriptase [Beta vulgaris]		

Seq. No.	9746	Seq. ID	OJ000119_23.0229.C8
Gene No.	20771	Strand	+

Start	1	End	526
Name	OJ000119_23.0229.C8.o1.tm	Method	TBLASTX:Maize
Start	38	End	526
GI	none	Score	184
Exons	38..334, 355..390, 380..460, 494..526		

Seq. No.	9747	Seq. ID	OJ000119_23.0229.C9
Gene No.	20772	Strand	+
Start	285	End	1328
Name	OJ000119_23.0229.C9.o1.tm	Method	TBLASTX:Maize
Start	233	End	606
GI	none	Score	178
Exons	233..397, 234..398, 399..434, 400..435, 556..606, 561..605		

Seq. No.	9747	Seq. ID	OJ000119_23.0229.C9
Gene No.	20772	Strand	+
Start	285	End	1328
Name	OJ000119_23.0229.C9.o1.gs	Method	GENSCAN
Start	285	End	1328
GI	none	Score	.66
Exons	285..395, 1209..1328		

Seq. No.	9748	Seq. ID	OJ000119_23.0229.C11
Gene No.	20773	Strand	+
Start	1701	End	2136
Name	OJ000119_23.0229.C11.o2.gp	Method	AAT/GAP
Start	1701	End	2136
GI	uC-osflM2020118f01a1	Score	817
Exons	1701..2136		
GI Descrip.	'5295971/dbj|BAA81872.1| 4.0e-64 (AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]'		

Seq. No.	9748	Seq. ID	OJ000119_23.0229.C11
Gene No.	20774	Strand	-
Start	1	End	5068
Name	OJ000119_23.0229.C11.o1.np	Method	AAT/NAP
Start	1	End	3981
GI	5295971	Score	6747
Exons	1..3981		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	9748	Seq. ID	OJ000119_23.0229.C11
Gene No.	20774	Strand	-
Start	1	End	5068
Name	OJ000119_23.0229.C11.o6.tm	Method	TBLASTX:Maize
Start	1	End	180
GI	none	Score	194
Exons	1..180, 2..178		

Seq. No.	9748	Seq. ID	OJ000119_23.0229.C11
Gene No.	20774	Strand	-
Start	1	End	5068
Name	OJ000119_23.0229.C11.o1.tw	Method	TBLASTX:Wheat

Start	7	End	562
GI	none	Score	66
Exons	7..231, 217..561, 221..406, 241..408, 473..562		

Seq. No.	9748	Seq. ID	OJ000119_23.0229.C11
Gene No.	20774	Strand	-
Start	1	End	5068
Name	OJ000119_23.0229.C11.o1.gs	Method	GENSCAN
Start	25	End	5061
GI	none	Score	.84
Exons	25..4001, 4512..5061		

Seq. No.	9748	Seq. ID	OJ000119_23.0229.C11
Gene No.	20774	Strand	-
Start	1	End	5068
Name	OJ000119_23.0229.C11.o2.ts	Method	TBLASTX:Soybean
Start	232	End	729
GI	5509260	Score	130
Exons	232..729, 251..409, 473..649		
GI Descrip.	-		

Seq. No.	9748	Seq. ID	OJ000119_23.0229.C11
Gene No.	20774	Strand	-
Start	1	End	5068
Name	OJ000119_23.0229.C11.o2.tc	Method	TBLASTX:Cress
Start	343	End	607
GI	none	Score	60
Exons	343..513, 343..606, 476..607		

Seq. No.	9748	Seq. ID	OJ000119_23.0229.C11
Gene No.	20774	Strand	-
Start	1	End	5068
Name	OJ000119_23.0229.C11.o3.tm	Method	TBLASTX:Maize
Start	382	End	678
GI	none	Score	181
Exons	382..678, 383..652		

Seq. No.	9748	Seq. ID	OJ000119_23.0229.C11
Gene No.	20774	Strand	-
Start	1	End	5068
Name	OJ000119_23.0229.C11.o1.ts	Method	TBLASTX:Soybean
Start	1180	End	1659
GI	none	Score	161
Exons	1180..1326, 1351..1659, 1364..1654		

Seq. No.	9748	Seq. ID	OJ000119_23.0229.C11
Gene No.	20774	Strand	-
Start	1	End	5068
Name	OJ000119_23.0229.C11.o1.tc	Method	TBLASTX:Cress
Start	1204	End	1644
GI	none	Score	60
Exons	1204..1326, 1348..1644, 1358..1504, 1562..1594		

Seq. No.	9748	Seq. ID	OJ000119_23.0229.C11
Gene No.	20774	Strand	-
Start	1	End	5068
Name	OJ000119_23.0229.C11.o2.tm	Method	TBLASTX:Maize

Start	1264	End	1690
GI	none	Score	569
Exons	1264..1686, 1265..1690		

Seq. No.	9748	Seq. ID	OJ000119_23.0229.C11
Gene No.	20774	Strand	-
Start	1	End	5068
Name	OJ000119_23.0229.C11.o1.gp	Method	AAT/GAP
Start	1337	End	1692
GI	uC-osflcyp139c12a1	Score	589
Exons	1337..1692		
GI Descrip.	'5295971/dbj|BAA81872.1| 3.0e-44 (AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]'		

Seq. No.	9748	Seq. ID	OJ000119_23.0229.C11
Gene No.	20774	Strand	-
Start	1	End	5068
Name	OJ000119_23.0229.C11.o3.tw	Method	TBLASTX:Wheat
Start	1342	End	1893
GI	none	Score	42
Exons	1342..1422, 1355..1426, 1429..1695, 1529..1678, 1753..1893		

Seq. No.	9748	Seq. ID	OJ000119_23.0229.C11
Gene No.	20774	Strand	-
Start	1	End	5068
Name	OJ000119_23.0229.C11.o5.ts	Method	TBLASTX:Soybean
Start	1753	End	2028
GI	none	Score	194
Exons	1753..2028, 1852..1932		

Seq. No.	9748	Seq. ID	OJ000119_23.0229.C11
Gene No.	20774	Strand	-
Start	1	End	5068
Name	OJ000119_23.0229.C11.o2.tw	Method	TBLASTX:Wheat
Start	1966	End	2419
GI	none	Score	95
Exons	1966..2046, 2053..2418, 2107..2415, 2114..2419		

Seq. No.	9748	Seq. ID	OJ000119_23.0229.C11
Gene No.	20774	Strand	-
Start	1	End	5068
Name	OJ000119_23.0229.C11.o5.tm	Method	TBLASTX:Maize
Start	2089	End	2329
GI	none	Score	262
Exons	2089..2328, 2090..2329		

Seq. No.	9748	Seq. ID	OJ000119_23.0229.C11
Gene No.	20774	Strand	-
Start	1	End	5068
Name	OJ000119_23.0229.C11.o1.tm	Method	TBLASTX:Maize
Start	2344	End	3063
GI	none	Score	417
Exons	2344..2769, 2344..2709, 2445..2768, 2774..2806, 2776..2871, 2788..3063, 2789..3046		

Seq. No.	9748	Seq. ID	OJ000119_23.0229.C11
Gene No.	20774	Strand	-
Start	1	End	5068
Name	OJ000119_23.0229.C11.o2.np	Method	AAT/NAP
Start	2661	End	5061
GI	6730728	Score	528
Exons	2661..2690, 4476..5061		
GI Descrip.	(AC018849) unknown protein [Arabidopsis thaliana]		

Seq. No.	9748	Seq. ID	OJ000119_23.0229.C11
Gene No.	20774	Strand	-
Start	1	End	5068
Name	OJ000119_23.0229.C11.o4.tm	Method	TBLASTX:Maize
Start	3298	End	3589
GI	none	Score	215
Exons	3298..3519, 3298..3588, 3374..3589		

Seq. No.	9748	Seq. ID	OJ000119_23.0229.C11
Gene No.	20774	Strand	-
Start	1	End	5068
Name	OJ000119_23.0229.C11.o3.ts	Method	TBLASTX:Soybean
Start	4507	End	4843
GI	none	Score	202
Exons	4507..4836, 4508..4843, 4539..4841		

Seq. No.	9748	Seq. ID	OJ000119_23.0229.C11
Gene No.	20774	Strand	-
Start	1	End	5068
Name	OJ000119_23.0229.C11.o4.tw	Method	TBLASTX:Wheat
Start	4828	End	5068
GI	none	Score	185
Exons	4828..5061, 4831..5067, 4832..5068		

Seq. No.	9748	Seq. ID	OJ000119_23.0229.C11
Gene No.	20774	Strand	-
Start	1	End	5068
Name	OJ000119_23.0229.C11.o4.ts	Method	TBLASTX:Soybean
Start	4849	End	5062
GI	none	Score	105
Exons	4849..5061, 4850..5062		

Seq. No.	9749	Seq. ID	OJ000119_23.0229.C13
Gene No.	20775	Strand	+
Start	4771	End	5162
Name	OJ000119_23.0229.C13.o2.gs	Method	GENSCAN
Start	4771	End	5162
GI	none	Score	.79
Exons	4771..4896, 5007..5162		

Seq. No.	9749	Seq. ID	OJ000119_23.0229.C13
Gene No.	20776	Strand	+
Start	9925	End	14067
Name	OJ000119_23.0229.C13.o1.gp	Method	AAT/GAP
Start	9714	End	11695
GI	31695_1.R1084	Score	1695
Exons	9714..10048, 10919..11091, 11168..11349, 11452..11695		
GI Descrip.	'4567250/gb|AAD23664.1|AC007070_13 8.0e-18 (AC007070)		

hypothetical protein [Arabidopsis thaliana]'

Seq. No.	9749	Seq. ID	OJ000119_23.0229.C13
Gene No.	20776	Strand	+
Start	9925	End	14067
Name	OJ000119_23.0229.C13.o4.gs	Method	GENSCAN
Start	9925	End	12217
GI	none	Score	.82
Exons	9925..10048, 10919..11091, 11168..11349, 11452..11735, 11823..11880, 12010..12046, 12146..12217		

Seq. No.	9749	Seq. ID	OJ000119_23.0229.C13
Gene No.	20776	Strand	+
Start	9925	End	14067
Name	OJ000119_23.0229.C13.o1.np	Method	AAT/NAP
Start	11696	End	14067
GI	4734014	Score	863
Exons	11696..11729, 11815..11880, 12010..12046, 12146..12217, 13273..13597, 13687..14067		
GI Descrip.	(AC007112) unknown protein [Arabidopsis thaliana]		

Seq. No.	9749	Seq. ID	OJ000119_23.0229.C13
Gene No.	20777	Strand	-
Start	205	End	2444
Name	OJ000119_23.0229.C13.o1.gs	Method	GENSCAN
Start	205	End	2444
GI	none	Score	.68
Exons	205..288, 363..513, 608..724, 936..1036, 1545..1568, 1789..1897, 2002..2039, 2188..2408, 2429..2444		

Seq. No.	9749	Seq. ID	OJ000119_23.0229.C13
Gene No.	20778	Strand	-
Start	13968	End	14424
Name	OJ000119_23.0229.C13.o2.tm	Method	TBLASTX:Maize
Start	10918	End	11238
GI	none	Score	255
Exons	10918..11091, 10923..11108, 10926..11090, 10991..11110, 11161..11238, 11168..11206		

Seq. No.	9749	Seq. ID	OJ000119_23.0229.C13
Gene No.	20778	Strand	-
Start	13968	End	14424
Name	OJ000119_23.0229.C13.o2.ts	Method	TBLASTX:Soybean
Start	10965	End	11728
GI	none	Score	144
Exons	10965..11105, 10978..11106, 11162..11350, 11443..11634, 11449..11670, 11453..11728		

Seq. No.	9749	Seq. ID	OJ000119_23.0229.C13
Gene No.	20778	Strand	-
Start	13968	End	14424
Name	OJ000119_23.0229.C13.o1.tc	Method	TBLASTX:Cress
Start	11246	End	11739
GI	none	Score	131
Exons	11246..11350, 11290..11388, 11458..11721, 11458..11739, 11459..11728		

Seq. No.	9749	Seq. ID	OJ000119_23.0229.C13
Gene No.	20778	Strand	-
Start	13968	End	14424
Name	OJ000119_23.0229.C13.o1.tm	Method	TBLASTX:Maize
Start	11615	End	14032
GI	none	Score	140
Exons	11615..11749, 11643..11729, 11822..11881, 11823..11879, 12009..12047, 12011..12058, 12132..12224, 12146..12223, 13256..13450, 13257..13595, 13269..13598, 13270..13599, 13271..13600, 13502..13615, 13627..13728, 13680..13727, 13692..14015, 13711..14028, 13715..14032, 13726..14031		

Seq. No.	9749	Seq. ID	OJ000119_23.0229.C13
Gene No.	20778	Strand	-
Start	13968	End	14424
Name	OJ000119_23.0229.C13.o1.ts	Method	TBLASTX:Soybean
Start	13251	End	14027
GI	none	Score	71
Exons	13251..13415, 13264..13599, 13265..13600, 13663..13719, 13711..14025, 13719..14009, 13761..14027		

Seq. No.	9749	Seq. ID	OJ000119_23.0229.C13
Gene No.	20778	Strand	-
Start	13968	End	14424
Name	OJ000119_23.0229.C13.o2.tc	Method	TBLASTX:Cress
Start	13828	End	14052
GI	none	Score	200
Exons	13828..14052, 13854..13997		

Seq. No.	9749	Seq. ID	OJ000119_23.0229.C13
Gene No.	20778	Strand	-
Start	13968	End	14424
Name	OJ000119_23.0229.C13.o2.gp	Method	AAT/GAP
Start	13968	End	14424
GI	none	Score	887
Exons	13968..14424		

Seq. No.	9750	Seq. ID	OJ000119_23.0229.C14
Gene No.	20779	Strand	+
Start	506	End	672
Name	OJ000119_23.0229.C14.o1.gs	Method	GENSCAN
Start	506	End	672
GI	none	Score	.41
Exons	506..672		

Seq. No.	9751	Seq. ID	OJ000119_23.0229.C15
Gene No.	20780	Strand	+
Start	359	End	2755
Name	OJ000119_23.0229.C15.o1.gs	Method	GENSCAN
Start	359	End	2755
GI	none	Score	.71
Exons	359..467, 899..1042, 1867..1958, 2141..2755		

Seq. No.	9751	Seq. ID	OJ000119_23.0229.C15
Gene No.	20780	Strand	+
Start	359	End	2755
Name	OJ000119_23.0229.C15.o1.gp	Method	AAT/GAP

Start	2155	End	2480
GI	92673_1.R1084	Score	640
Exons	2155..2480		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-38 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	9751	Seq. ID	OJ000119_23.0229.C15
Gene No.	20781	Strand	+
Start	7374	End	9048
Name	OJ000119_23.0229.C15.o2.gp	Method	AAT/GAP
Start	7374	End	7673
GI	5004629	Score	507
Exons	7374..7673		
GI Descrip.	4099436/gb|U87250|MVU87250 4.0e-57 Mustela vison GT dinucleotide repeat, chromosome 2,3,5 and 7 centromeric		

Seq. No.	9751	Seq. ID	OJ000119_23.0229.C15
Gene No.	20781	Strand	+
Start	7374	End	9048
Name	OJ000119_23.0229.C15.o2.np	Method	AAT/NAP
Start	7490	End	8937
GI	6006381	Score	178
Exons	7490..7544, 8383..8610, 8790..8937		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	9751	Seq. ID	OJ000119_23.0229.C15
Gene No.	20781	Strand	+
Start	7374	End	9048
Name	OJ000119_23.0229.C15.o3.gs	Method	GENSCAN
Start	8458	End	9048
GI	none	Score	.81
Exons	8458..9048		

Seq. No.	9751	Seq. ID	OJ000119_23.0229.C15
Gene No.	20782	Strand	+
Start	9087	End	9549
Name	OJ000119_23.0229.C15.o3.gp	Method	AAT/GAP
Start	9087	End	9549
GI	2443102	Score	911
Exons	9087..9549		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-38 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	9751	Seq. ID	OJ000119_23.0229.C15
Gene No.	20783	Strand	-
Start	4168	End	8063
Name	OJ000119_23.0229.C15.o1.tm	Method	TBLASTX:Maize
Start	2233	End	7928
GI	none	Score	89
Exons	2233..2373, 2234..2326, 2371..2436, 2381..2440, 2525..2611, 2551..2613, 7833..7928, 7840..7878		

Seq. No.	9751	Seq. ID	OJ000119_23.0229.C15
Gene No.	20783	Strand	-
Start	4168	End	8063
Name	OJ000119_23.0229.C15.o2.gs	Method	GENSCAN
Start	4168	End	8063

GI	none	Score	.65
Exons	4168..4336, 5377..5522, 6094..6246, 7134..7197, 7618..8063		

Seq. No.	9752	Seq. ID	OJ000119_23.0229.C16
Gene No.	20784	Strand	+
Start	94	End	377
Name	OJ000119_23.0229.C16.o1.gp	Method	AAT/GAP
Start	94	End	377
GI	86158_1.R1084	Score	403
Exons	94..377		
GI Descrip.	'5295936/dbj|AB026295.2|AB026295 5.0e-42 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		

Seq. No.	9752	Seq. ID	OJ000119_23.0229.C16
Gene No.	20785	Strand	+
Start	391	End	556
Name	OJ000119_23.0229.C16.o1.gs	Method	GENSCAN
Start	391	End	556
GI	none	Score	.82
Exons	391..556		

Seq. No.	9752	Seq. ID	OJ000119_23.0229.C16
Gene No.	20786	Strand	-
Start	389	End	681
Name	OJ000119_23.0229.C16.o1.np	Method	AAT/NAP
Start	389	End	681
GI	5295971	Score	472
Exons	389..681		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	9752	Seq. ID	OJ000119_23.0229.C16
Gene No.	20786	Strand	-
Start	389	End	681
Name	OJ000119_23.0229.C16.o1.tm	Method	TBLASTX:Maize
Start	423	End	680
GI	none	Score	300
Exons	423..680, 423..674, 425..679		

Seq. No.	9753	Seq. ID	OJ000119_23.0229.C17
Gene No.	20787	Strand	+
Start	2814	End	2920
Name	OJ000119_23.0229.C17.o2.np	Method	AAT/NAP
Start	2814	End	2920
GI	5777617	Score	111
Exons	2814..2920		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	9753	Seq. ID	OJ000119_23.0229.C17
Gene No.	20788	Strand	+
Start	6510	End	7693
Name	OJ000119_23.0229.C17.o3.gs	Method	GENSCAN
Start	6510	End	7693
GI	none	Score	.94
Exons	6510..6652, 7259..7353, 7683..7693		

Seq. No.	9753	Seq. ID	OJ000119_23.0229.C17
Gene No.	20789	Strand	-
Start	1	End	2557
Name	OJ000119_23.0229.C17.o1.np	Method	AAT/NAP
Start	1	End	2449
GI	3858937	Score	557
Exons	1..137, 212..335, 811..904, 1031..1126, 1229..1332, 1648..1784, 2005..2155, 2254..2449		
GI Descrip.	(AL021636) putative protein [Arabidopsis thaliana]		

Seq. No.	9753	Seq. ID	OJ000119_23.0229.C17
Gene No.	20789	Strand	-
Start	1	End	2557
Name	OJ000119_23.0229.C17.o1.gs	Method	GENSCAN
Start	215	End	2557
GI	none	Score	.92
Exons	215..335, 811..901, 1229..1332, 1720..1784, 2005..2161, 2254..2470, 2555..2557		

Seq. No.	9753	Seq. ID	OJ000119_23.0229.C17
Gene No.	20789	Strand	-
Start	1	End	2557
Name	OJ000119_23.0229.C17.o1.ts	Method	TBLASTX:Soybean
Start	2010	End	2410
GI	none	Score	170
Exons	2010..2144, 2231..2410		

Seq. No.	9754	Seq. ID	OJ000119_23.0229.C18
Gene No.	20790	Strand	+
Start	74	End	913
Name	OJ000119_23.0229.C18.o1.tm	Method	TBLASTX:Maize
Start	68	End	913
GI	none	Score	256
Exons	68..265, 68..259, 69..260, 282..335, 285..347, 707..913, 710..907		

Seq. No.	9754	Seq. ID	OJ000119_23.0229.C18
Gene No.	20790	Strand	+
Start	74	End	913
Name	OJ000119_23.0229.C18.o1.gs	Method	GENSCAN
Start	74	End	902
GI	none	Score	.66
Exons	74..304, 726..902		

Seq. No.	9755	Seq. ID	OJ000119_23.0229.C19
Gene No.	20791	Strand	+
Start	84	End	478
Name	OJ000119_23.0229.C19.o1.gs	Method	GENSCAN
Start	84	End	478
GI	none	Score	.56
Exons	84..159, 450..478		

Seq. No.	9756	Seq. ID	OJ000119_23.0229.C20
Gene No.	20792	Strand	+
Start	325	End	1662
Name	OJ000119_23.0229.C20.o1.np	Method	AAT/NAP
Start	325	End	1662

GI	3858937	Score	44
Exons	325..392, 465..520, 1629..1662		
GI Descrip.	(AL021636) putative protein [Arabidopsis thaliana]		

Seq. No.	9756	Seq. ID	OJ000119_23.0229.C20
Gene No.	20793	Strand	-
Start	1	End	1662
Name	OJ000119_23.0229.C20.o2.np	Method	AAT/NAP
Start	1	End	1662
GI	6503010	Score	110
Exons	1..52, 1479..1662		
GI Descrip.	(AF174427) formin-like protein AHF1 [Arabidopsis thaliana]		

Seq. No.	9756	Seq. ID	OJ000119_23.0229.C20
Gene No.	20793	Strand	-
Start	1	End	1662
Name	OJ000119_23.0229.C20.o1.gs	Method	GENSCAN
Start	369	End	1606
GI	none	Score	.63
Exons	369..377, 448..501, 763..857, 1507..1606		

Seq. No.	9757	Seq. ID	OJ000119_23.0229.C22
Gene No.	20794	Strand	-
Start	580	End	723
Name	OJ000119_23.0229.C22.o1.gs	Method	GENSCAN
Start	580	End	723
GI	none	Score	.95
Exons	580..723		

Seq. No.	9758	Seq. ID	OJ000119_23.0229.C24
Gene No.	20795	Strand	+
Start	2962	End	8015
Name	OJ000119_23.0229.C24.o1.gp	Method	AAT/GAP
Start	2574	End	3028
GI	none	Score	898
Exons	2574..3028		

Seq. No.	9758	Seq. ID	OJ000119_23.0229.C24
Gene No.	20795	Strand	+
Start	2962	End	8015
Name	OJ000119_23.0229.C24.o1.np	Method	AAT/NAP
Start	2953	End	3931
GI	4335724	Score	194
Exons	2953..3091, 3169..3373, 3647..3931		
GI Descrip.	(AC006248) putative RING-H2 zinc finger protein [Arabidopsis thaliana]		

Seq. No.	9758	Seq. ID	OJ000119_23.0229.C24
Gene No.	20795	Strand	+
Start	2962	End	8015
Name	OJ000119_23.0229.C24.o2.gs	Method	GENSCAN
Start	2962	End	8015
GI	none	Score	.52
Exons	2962..3102, 3158..3351, 3628..3796, 3955..4053, 4261..4313, 4634..4765, 7787..8015		

Seq. No.	9758	Seq. ID	OJ000119_23.0229.C24

Gene No.	20796	Strand	-
Start	3407	End	5726
Name	OJ000119_23.0229.C24.o2.np	Method	AAT/NAP
Start	3407	End	5726
GI	4567265	Score	34
Exons	3407..3430, 5610..5726		
GI Descrip.	(AC006841) putative kinesin heavy chain [Arabidopsis thaliana]		

Seq. No.	9758	Seq. ID	OJ000119_23.0229.C24
Gene No.	20796	Strand	-
Start	3407	End	5726
Name	OJ000119_23.0229.C24.o2.gp	Method	AAT/GAP
Start	3625	End	4211
GI	none	Score	1017
Exons	3625..4211		

Seq. No.	9758	Seq. ID	OJ000119_23.0229.C24
Gene No.	20797	Strand	-
Start	8107	End	9611
Name	OJ000119_23.0229.C24.o3.gp	Method	AAT/GAP
Start	8107	End	8761
GI	none	Score	366
Exons	8107..8355, 8716..8761		

Seq. No.	9758	Seq. ID	OJ000119_23.0229.C24
Gene No.	20797	Strand	-
Start	8107	End	9611
Name	OJ000119_23.0229.C24.o3.gs	Method	GENSCAN
Start	8514	End	9573
GI	none	Score	.77
Exons	8514..8729, 9015..9059, 9235..9573		

Seq. No.	9758	Seq. ID	OJ000119_23.0229.C24
Gene No.	20797	Strand	-
Start	8107	End	9611
Name	OJ000119_23.0229.C24.o4.gp	Method	AAT/GAP
Start	9013	End	9611
GI	none	Score	1108
Exons	9013..9611		

Seq. No.	9759	Seq. ID	OJ000119_23.0229.C25
Gene No.	20798	Strand	+
Start	277	End	485
Name	OJ000119_23.0229.C25.o1.gs	Method	GENSCAN
Start	277	End	485
GI	none	Score	.49
Exons	277..485		

Seq. No.	9760	Seq. ID	OJ000119_23.0229.C27
Gene No.	20799	Strand	+
Start	48	End	170
Name	OJ000119_23.0229.C27.o1.gs	Method	GENSCAN
Start	48	End	170
GI	none	Score	.41
Exons	48..170		

Seq. No.	9760	Seq. ID	OJ000119_23.0229.C27

Gene No.	20800	Strand	+
Start	384	End	421
Name	OJ000119_23.0229.C27.o2.gs	Method	GENSCAN
Start	384	End	421
GI	none	Score	.55
Exons	384..421		

Seq. No.	9761	Seq. ID	OJ000119_23.0229.C28
Gene No.	20801	Strand	+
Start	321	End	538
Name	OJ000119_23.0229.C28.o1.gs	Method	GENSCAN
Start	321	End	538
GI	none	Score	.7
Exons	321..538		

Seq. No.	9762	Seq. ID	OJ000119_23.0229.C29
Gene No.	20802	Strand	-
Start	1	End	404
Name	OJ000119_23.0229.C29.o1.np	Method	AAT/NAP
Start	1	End	404
GI	3335060	Score	236
Exons	1..268, 373..404		
GI Descrip.	(AF025842) plasma membrane-type calcium ATPase [Arabidopsis thaliana] gi|4468989|emb|CAB38303| (AL035605) plasma membrane-type calcium ATPase (ACA2) [Arabidopsis thaliana]		

Seq. No.	9762	Seq. ID	OJ000119_23.0229.C29
Gene No.	20802	Strand	-
Start	1	End	404
Name	OJ000119_23.0229.C29.o1.tc	Method	TBLASTX:Cress
Start	76	End	273
GI	none	Score	211
Exons	76..258, 77..256, 94..273		

Seq. No.	9762	Seq. ID	OJ000119_23.0229.C29
Gene No.	20802	Strand	-
Start	1	End	404
Name	OJ000119_23.0229.C29.o1.tm	Method	TBLASTX:Maize
Start	76	End	258
GI	none	Score	244
Exons	76..258, 77..256		

Seq. No.	9762	Seq. ID	OJ000119_23.0229.C29
Gene No.	20802	Strand	-
Start	1	End	404
Name	OJ000119_23.0229.C29.o1.ts	Method	TBLASTX:Soybean
Start	76	End	273
GI	none	Score	245
Exons	76..258, 77..256, 82..273		

Seq. No.	9762	Seq. ID	OJ000119_23.0229.C29
Gene No.	20802	Strand	-
Start	1	End	404
Name	OJ000119_23.0229.C29.o1.gs	Method	GENSCAN
Start	84	End	255
GI	none	Score	.97
Exons	84..255		

Seq. No.	9763	Seq. ID	OJ000119_23.0229.C30
Gene No.	20803	Strand	-
Start	1	End	878
Name	OJ000119_23.0229.C30.o1.np	Method	AAT/NAP
Start	1	End	878
GI	3335060	Score	627
Exons	1..462, 571..647, 837..878		
GI Descrip.	(AF025842) plasma membrane-type calcium ATPase [Arabidopsis thaliana] gi|4468989|emb|CAB38303| (AL035605) plasma membrane-type calcium ATPase (ACA2) [Arabidopsis thaliana]		

Seq. No.	9763	Seq. ID	OJ000119_23.0229.C30
Gene No.	20803	Strand	-
Start	1	End	878
Name	OJ000119_23.0229.C30.o1.tc	Method	TBLASTX:Cress
Start	13	End	645
GI	none	Score	273
Exons	13..468, 14..274, 311..469, 571..645		

Seq. No.	9763	Seq. ID	OJ000119_23.0229.C30
Gene No.	20803	Strand	-
Start	1	End	878
Name	OJ000119_23.0229.C30.o1.gs	Method	GENSCAN
Start	35	End	669
GI	none	Score	.88
Exons	35..482, 588..669		

Seq. No.	9763	Seq. ID	OJ000119_23.0229.C30
Gene No.	20803	Strand	-
Start	1	End	878
Name	OJ000119_23.0229.C30.o1.tm	Method	TBLASTX:Maize
Start	160	End	435
GI	none	Score	232
Exons	160..426, 161..427, 307..435		

Seq. No.	9763	Seq. ID	OJ000119_23.0229.C30
Gene No.	20803	Strand	-
Start	1	End	878
Name	OJ000119_23.0229.C30.o1.ts	Method	TBLASTX:Soybean
Start	199	End	646
GI	none	Score	60
Exons	199..468, 206..265, 311..472, 571..645, 572..646		

Seq. No.	9764	Seq. ID	OJ000119_23.0229.C36
Gene No.	20804	Strand	+
Start	1043	End	2227
Name	OJ000119_23.0229.C36.o1.gs	Method	GENSCAN
Start	1043	End	1846
GI	none	Score	.67
Exons	1043..1846		

Seq. No.	9764	Seq. ID	OJ000119_23.0229.C36
Gene No.	20804	Strand	+
Start	1043	End	2227
Name	OJ000119_23.0229.C36.o1.np	Method	AAT/NAP
Start	1061	End	2227

GI	5852180	Score	237
Exons	1061..1161, 1592..2227		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	9764	Seq. ID	OJ000119_23.0229.C36
Gene No.	20805	Strand	-
Start	1	End	1245
Name	OJ000119_23.0229.C36.o1.gp	Method	AAT/GAP
Start	1	End	1245
GI	42235_1.R1084	Score	562
Exons	1..49, 122..179, 1022..1245		
GI Descrip.	'4468985/emb|CAB38299| 2.0e-10 (AL035605) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	9765	Seq. ID	OJ000119_23.0229.C37
Gene No.	20806	Strand	-
Start	71	End	499
Name	OJ000119_23.0229.C37.o1.gs	Method	GENSCAN
Start	71	End	499
GI	none	Score	1
Exons	71..499		

Seq. No.	9766	Seq. ID	OJ000119_23.0229.C41
Gene No.	20807	Strand	+
Start	152	End	355
Name	OJ000119_23.0229.C41.o1.gs	Method	GENSCAN
Start	152	End	355
GI	none	Score	.42
Exons	152..355		

Seq. No.	9767	Seq. ID	OJ000119_23.0229.C42
Gene No.	20808	Strand	+
Start	9	End	168
Name	OJ000119_23.0229.C42.o1.gs	Method	GENSCAN
Start	9	End	168
GI	none	Score	.89
Exons	9..168		

Seq. No.	9768	Seq. ID	OJ000119_23.0229.C44
Gene No.	20809	Strand	+
Start	26	End	466
Name	OJ000119_23.0229.C44.o1.gs	Method	GENSCAN
Start	26	End	466
GI	none	Score	.86
Exons	26..191, 438..466		

Seq. No.	9769	Seq. ID	OJ000119_23.0229.C45
Gene No.	20810	Strand	+
Start	170	End	994
Name	OJ000119_23.0229.C45.o1.gs	Method	GENSCAN
Start	170	End	994
GI	none	Score	.58
Exons	170..412, 853..994		

Seq. No.	9769	Seq. ID	OJ000119_23.0229.C45
Gene No.	20811	Strand	-
Start	991	End	1532

Name	OJ000119_23.0229.C45.o1.gp	Method	AAT/GAP
Start	991	End	1532
GI	none	Score	1058
Exons	991..1532		

Seq. No.	9770	Seq. ID	OJ000119_23.0229.C47
Gene No.	20812	Strand	-
Start	1	End	330
Name	OJ000119_23.0229.C47.o1.np	Method	AAT/NAP
Start	1	End	330
GI	3252807	Score	311
Exons	1..330		
GI Descrip.	(AC004705) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	9770	Seq. ID	OJ000119_23.0229.C47
Gene No.	20812	Strand	-
Start	1	End	330
Name	OJ000119_23.0229.C47.o1.tm	Method	TBLASTX:Maize
Start	1	End	330
GI	none	Score	136
Exons	1..330, 4..306, 5..307		

Seq. No.	9770	Seq. ID	OJ000119_23.0229.C47
Gene No.	20812	Strand	-
Start	1	End	330
Name	OJ000119_23.0229.C47.o1.tc	Method	TBLASTX:Cress
Start	1	End	330
GI	none	Score	103
Exons	1..138, 23..157, 193..330, 194..307		

Seq. No.	9770	Seq. ID	OJ000119_23.0229.C47
Gene No.	20812	Strand	-
Start	1	End	330
Name	OJ000119_23.0229.C47.o1.ts	Method	TBLASTX:Soybean
Start	61	End	324
GI	none	Score	59
Exons	61..324, 68..151, 239..310		

Seq. No.	9771	Seq. ID	OJ000119_23.0229.C52
Gene No.	20813	Strand	+
Start	66	End	264
Name	OJ000119_23.0229.C52.o1.gs	Method	GENSCAN
Start	66	End	264
GI	none	Score	.55
Exons	66..264		

Seq. No.	9772	Seq. ID	OJ000119_23.0229.C55
Gene No.	20814	Strand	-
Start	345	End	484
Name	OJ000119_23.0229.C55.o1.gs	Method	GENSCAN
Start	345	End	484
GI	none	Score	.63
Exons	345..484		

Seq. No.	9773	Seq. ID	OJ000119_23.0229.C57
Gene No.	20815	Strand	-
Start	359	End	541

Name	OJ000119_23.0229.C57.o1.gs	Method	GENSCAN
Start	359	End	541
GI	none	Score	.41
Exons	359..541		

Seq. No.	9774	Seq. ID	OJ000119_23.0229.C58
Gene No.	20816	Strand	+
Start	86	End	600
Name	OJ000119_23.0229.C58.o1.gs	Method	GENSCAN
Start	86	End	600
GI	none	Score	.68
Exons	86..445, 542..600		

Seq. No.	9775	Seq. ID	OJ000119_23.0229.C59
Gene No.	20817	Strand	+
Start	364	End	433
Name	OJ000119_23.0229.C59.o1.gs	Method	GENSCAN
Start	364	End	433
GI	none	Score	.84
Exons	364..433		

Seq. No.	9776	Seq. ID	OJ000119_23.0229.C62
Gene No.	20818	Strand	-
Start	478	End	1001
Name	OJ000119_23.0229.C62.o1.gs	Method	GENSCAN
Start	478	End	1001
GI	none	Score	.73
Exons	478..578, 874..1001		

Seq. No.	9777	Seq. ID	OJ000119_23.0229.C65
Gene No.	20819	Strand	-
Start	27	End	218
Name	OJ000119_23.0229.C65.o1.gs	Method	GENSCAN
Start	27	End	218
GI	none	Score	.76
Exons	27..218		

Seq. No.	9778	Seq. ID	OJ000119_23.0229.C66
Gene No.	20820	Strand	-
Start	1	End	166
Name	OJ000119_23.0229.C66.o1.np	Method	AAT/NAP
Start	1	End	166
GI	6693023	Score	70
Exons	1..166		
GI Descrip.	(AC012375) T22C5.20 [Arabidopsis thaliana]		

Seq. No.	9779	Seq. ID	OJ000119_23.0229.C67
Gene No.	20821	Strand	+
Start	86	End	600
Name	OJ000119_23.0229.C67.o1.gs	Method	GENSCAN
Start	86	End	600
GI	none	Score	.84
Exons	86..600		

Seq. No.	9780	Seq. ID	OJ000119_23.0229.C68
Gene No.	20822	Strand	-
Start	113	End	184

Name	OJ000119_23.0229.C68.o1.gs	Method	GENSCAN
Start	113	End	184
GI	none	Score	.46
Exons	113..184		

Seq. No.	9781	Seq. ID	OJ000119_23.0229.C69
Gene No.	20823	Strand	+
Start	224	End	429
Name	OJ000119_23.0229.C69.o1.gs	Method	GENSCAN
Start	224	End	429
GI	none	Score	.74
Exons	224..429		

Seq. No.	9782	Seq. ID	OJ000119_23.0229.C70
Gene No.	20824	Strand	+
Start	141	End	600
Name	OJ000119_23.0229.C70.o1.gs	Method	GENSCAN
Start	141	End	600
GI	none	Score	.7
Exons	141..150, 256..488, 574..600		

Seq. No.	9783	Seq. ID	OJ000119_23.0229.C71
Gene No.	20825	Strand	+
Start	26	End	386
Name	OJ000119_23.0229.C71.o1.gs	Method	GENSCAN
Start	26	End	386
GI	none	Score	.99
Exons	26..386		

Seq. No.	9784	Seq. ID	OJ000119_23.0229.C74
Gene No.	20826	Strand	+
Start	482	End	659
Name	OJ000119_23.0229.C74.o1.gp	Method	AAT/GAP
Start	482	End	659
GI	6547_6.R1084	Score	319
Exons	482..659		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 4.0e-39 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	9784	Seq. ID	OJ000119_23.0229.C74
Gene No.	20827	Strand	-
Start	63	End	490
Name	OJ000119_23.0229.C74.o1.gs	Method	GENSCAN
Start	63	End	490
GI	none	Score	.46
Exons	63..490		

Seq. No.	9785	Seq. ID	OJ000119_23.0229.C76
Gene No.	20828	Strand	+
Start	1	End	682
Name	OJ000119_23.0229.C76.o1.np	Method	AAT/NAP
Start	1	End	682
GI	3738334	Score	44
Exons	1..36, 503..682		
GI Descrip.	(AC005170) unknown protein [Arabidopsis thaliana]		

Seq. No.	9785	Seq. ID	OJ000119_23.0229.C76

Gene No.	20828	Strand	+
Start	1	End	682
Name	OJ000119_23.0229.C76.o1.gs	Method	GENSCAN
Start	256	End	606
GI	none	Score	.98
Exons	256..375, 490..606		

Seq. No.	9785	Seq. ID	OJ000119_23.0229.C76
Gene No.	20828	Strand	+
Start	1	End	682
Name	OJ000119_23.0229.C76.o1.tm	Method	TBLASTX:Maize
Start	303	End	606
GI	none	Score	69
Exons	303..368, 314..367, 324..374, 487..606, 498..605		

Seq. No.	9785	Seq. ID	OJ000119_23.0229.C76
Gene No.	20828	Strand	+
Start	1	End	682
Name	OJ000119_23.0229.C76.o1.gp	Method	AAT/GAP
Start	478	End	609
GI	LIB3434-040-P1-K1-D6	Score	205
Exons	478..609		
GI Descrip.	'3252807 1.0e-38 (AC004705) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	9786	Seq. ID	OJ000119_23.0229.C78
Gene No.	20829	Strand	-
Start	33	End	331
Name	OJ000119_23.0229.C78.o1.gs	Method	GENSCAN
Start	33	End	331
GI	none	Score	.67
Exons	33..331		

Seq. No.	9787	Seq. ID	OJ000119_23.0229.C79
Gene No.	20830	Strand	+
Start	362	End	460
Name	OJ000119_23.0229.C79.o1.gs	Method	GENSCAN
Start	362	End	460
GI	none	Score	.96
Exons	362..460		

Seq. No.	9788	Seq. ID	OJ000119_23.0229.C81
Gene No.	20831	Strand	-
Start	259	End	596
Name	OJ000119_23.0229.C81.o1.gs	Method	GENSCAN
Start	259	End	373
GI	none	Score	.49
Exons	259..373		

Seq. No.	9788	Seq. ID	OJ000119_23.0229.C81
Gene No.	20831	Strand	-
Start	259	End	596
Name	OJ000119_23.0229.C81.o1.np	Method	AAT/NAP
Start	262	End	596
GI	6815099	Score	75
Exons	262..375, 523..596		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	9789	Seq. ID	OJ000209_24.0229.C1
Gene No.	20832	Strand	+
Start	346	End	1112
Name	OJ000209_24.0229.C1.o1.np	Method	AAT/NAP
Start	346	End	965
GI	3135959	Score	643
Exons	346..621, 795..965		
GI Descrip.	(AJ006099) wheatwin2 [Triticum aestivum]		

Seq. No.	9789	Seq. ID	OJ000209_24.0229.C1
Gene No.	20832	Strand	+
Start	346	End	1112
Name	OJ000209_24.0229.C1.o1.gs	Method	GENSCAN
Start	352	End	971
GI	none	Score	.6
Exons	352..621, 795..971		

Seq. No.	9789	Seq. ID	OJ000209_24.0229.C1
Gene No.	20832	Strand	+
Start	346	End	1112
Name	OJ000209_24.0229.C1.o1.gp	Method	AAT/GAP
Start	409	End	1112
GI	LIB3479-009-Q6-K1-E7	Score	1042
Exons	409..621, 795..1112		
GI Descrip.	'3135959/emb|CAA06857| 4.0e-66 (AJ006099) wheatwin2 [Triticum aestivum]'		

Seq. No.	9789	Seq. ID	OJ000209_24.0229.C1
Gene No.	20833	Strand	+
Start	4334	End	4630
Name	OJ000209_24.0229.C1.o1.tc	Method	TBLASTX:Cress
Start	418	End	4612
GI	none	Score	110
Exons	418..489, 423..488, 491..622, 492..623, 492..623, 493..624, 782..880, 789..872, 882..965, 4403..4474, 4408..4473, 4477..4608, 4478..4612		

Seq. No.	9789	Seq. ID	OJ000209_24.0229.C1
Gene No.	20833	Strand	+
Start	4334	End	4630
Name	OJ000209_24.0229.C1.o1.ts	Method	TBLASTX:Soybean
Start	418	End	4611
GI	none	Score	100
Exons	418..489, 423..482, 492..626, 493..624, 494..628, 495..626, 789..872, 794..871, 882..965, 4403..4474, 4408..4467, 4477..4611, 4478..4609		

Seq. No.	9789	Seq. ID	OJ000209_24.0229.C1
Gene No.	20833	Strand	+
Start	4334	End	4630
Name	OJ000209_24.0229.C1.o1.tm	Method	TBLASTX:Maize
Start	421	End	4630
GI	none	Score	94
Exons	421..489, 421..480, 492..629, 493..624, 494..625, 789..971, 794..934, 4371..4397, 4406..4474, 4408..4473, 4477..4614, 4478..4609, 4478..4630		

Seq. No.	9789	Seq. ID	OJ000209_24.0229.C1
Gene No.	20833	Strand	+
Start	4334	End	4630
Name	OJ000209_24.0229.C1.o2.gs	Method	GENSCAN
Start	4334	End	4606
GI	none	Score	.69
Exons	4334..4606		

Seq. No.	9789	Seq. ID	OJ000209_24.0229.C1
Gene No.	20833	Strand	+
Start	4334	End	4630
Name	OJ000209_24.0229.C1.o2.np	Method	AAT/NAP
Start	4340	End	4606
GI	1808651	Score	367
Exons	4340..4606		
GI Descrip.	(Y10814) pathogenesis-related protein 4 [Hordeum vulgare]		

Seq. No.	9789	Seq. ID	OJ000209_24.0229.C1
Gene No.	20833	Strand	+
Start	4334	End	4630
Name	OJ000209_24.0229.C1.o2.gp	Method	AAT/GAP
Start	4412	End	4614
GI	28313_1.R1084	Score	328
Exons	4412..4614		
GI Descrip.	'442693/pdb|1BW3| 1.0e-58 Barwin, Basic Barley Seed Protein (Nmr, 20 Structures) >gi_442694_pdb_1BW4_ Barwin, Basic Barley Seed Protein (Nmr, 20 Structures)'		

Seq. No.	9790	Seq. ID	OJ000209_24.0229.C2
Gene No.	20834	Strand	+
Start	153	End	886
Name	OJ000209_24.0229.C2.o1.gs	Method	GENSCAN
Start	153	End	767
GI	none	Score	.93
Exons	153..259, 591..767		

Seq. No.	9790	Seq. ID	OJ000209_24.0229.C2
Gene No.	20834	Strand	+
Start	153	End	886
Name	OJ000209_24.0229.C2.o1.gp	Method	AAT/GAP
Start	573	End	886
GI	28313_1.R1084	Score	561
Exons	573..886		
GI Descrip.	'442693/pdb|1BW3| 1.0e-58 Barwin, Basic Barley Seed Protein (Nmr, 20 Structures) >gi_442694_pdb_1BW4_ Barwin, Basic Barley Seed Protein (Nmr, 20 Structures)'		

Seq. No.	9790	Seq. ID	OJ000209_24.0229.C2
Gene No.	20834	Strand	+
Start	153	End	886
Name	OJ000209_24.0229.C2.o1.np	Method	AAT/NAP
Start	573	End	767
GI	6048567	Score	237
Exons	573..767		
GI Descrip.	(AF093006) PR-4 [Triticum aestivum]		

Seq. No.	9790	Seq. ID	OJ000209_24.0229.C2
Gene No.	20835	Strand	+
Start	5289	End	5955
Name	OJ000209_24.0229.C2.o2.gp	Method	AAT/GAP
Start	5048	End	5955
GI	17656_1.R1084	Score	1213
Exons	5048..5147, 5277..5561, 5647..5955		
GI Descrip.	'2119757/pir||S60453 4.0e-56 glucose starvation-induced protein precursor (clone pZSS2) - maize >gi_559534_emb_CAA57674_ (X82184) defence-related protein [Zea mays]'		

Seq. No.	9790	Seq. ID	OJ000209_24.0229.C2
Gene No.	20835	Strand	+
Start	5289	End	5955
Name	OJ000209_24.0229.C2.o2.np	Method	AAT/NAP
Start	5289	End	5811
GI	2119757	Score	545
Exons	5289..5561, 5647..5811		
GI Descrip.	glucose starvation-induced protein precursor (clone pZSS2) - maize gi|559534|emb|CAA57674| (X82184) defence-related protein [Zea mays]		

Seq. No.	9790	Seq. ID	OJ000209_24.0229.C2
Gene No.	20835	Strand	+
Start	5289	End	5955
Name	OJ000209_24.0229.C2.o3.gs	Method	GENSCAN
Start	5289	End	5814
GI	none	Score	.96
Exons	5289..5561, 5647..5814		

Seq. No.	9790	Seq. ID	OJ000209_24.0229.C2
Gene No.	20836	Strand	-
Start	2222	End	3542
Name	OJ000209_24.0229.C2.o2.gs	Method	GENSCAN
Start	2222	End	3542
GI	none	Score	.49
Exons	2222..2322, 2903..3183, 3385..3542		

Seq. No.	9790	Seq. ID	OJ000209_24.0229.C2
Gene No.	20837	Strand	-
Start	7947	End	9245
Name	OJ000209_24.0229.C2.o2.ts	Method	TBLASTX:Soybean
Start	578	End	5811
GI	none	Score	104
Exons	578..667, 585..668, 647..757, 678..761, 5364..5564, 5372..5569, 5387..5569, 5640..5723, 5647..5724, 5734..5811		

Seq. No.	9790	Seq. ID	OJ000209_24.0229.C2
Gene No.	20837	Strand	-
Start	7947	End	9245
Name	OJ000209_24.0229.C2.o1.tc	Method	TBLASTX:Cress
Start	581	End	5811
GI	none	Score	100
Exons	581..676, 585..668, 678..761, 689..757, 5364..5564, 5372..5569, 5639..5722, 5640..5723, 5640..5723, 5647..5724, 5703..5810, 5733..5768, 5734..5811		

Seq. No.	9790	Seq. ID	OJ000209_24.0229.C2
Gene No.	20837	Strand	-
Start	7947	End	9245
Name	OJ000209_24.0229.C2.o1.tm	Method	TBLASTX:Maize
Start	585	End	5829
GI	none	Score	221
Exons	585..755, 590..754, 5288..5563, 5320..5562, 5364..5564, 5372..5569, 5645..5803, 5646..5813, 5646..5819, 5647..5829		

Seq. No.	9790	Seq. ID	OJ000209_24.0229.C2
Gene No.	20837	Strand	-
Start	7947	End	9245
Name	OJ000209_24.0229.C2.o3.tc	Method	TBLASTX:Cress
Start	7947	End	8219
GI	none	Score	99
Exons	7947..8219, 7983..8213		

Seq. No.	9790	Seq. ID	OJ000209_24.0229.C2
Gene No.	20837	Strand	-
Start	7947	End	9245
Name	OJ000209_24.0229.C2.o4.gs	Method	GENSCAN
Start	7947	End	9187
GI	none	Score	.64
Exons	7947..8222, 8669..9187		

Seq. No.	9790	Seq. ID	OJ000209_24.0229.C2
Gene No.	20837	Strand	-
Start	7947	End	9245
Name	OJ000209_24.0229.C2.o3.np	Method	AAT/NAP
Start	7950	End	9245
GI	6850880	Score	679
Exons	7950..8222, 8669..9245		
GI Descrip.	(AL137898) putative protein [Arabidopsis thaliana]		

Seq. No.	9790	Seq. ID	OJ000209_24.0229.C2
Gene No.	20837	Strand	-
Start	7947	End	9245
Name	OJ000209_24.0229.C2.o2.tm	Method	TBLASTX:Maize
Start	7956	End	9190
GI	none	Score	88
Exons	7956..8213, 7999..8202, 8678..8833, 8678..8842, 8679..8870, 8843..9016, 8847..9017, 9027..9161, 9044..9190, 9056..9172		

Seq. No.	9790	Seq. ID	OJ000209_24.0229.C2
Gene No.	20837	Strand	-
Start	7947	End	9245
Name	OJ000209_24.0229.C2.o2.tw	Method	TBLASTX:Wheat
Start	7959	End	8180
GI	none	Score	72
Exons	7959..8180, 7980..8168		

Seq. No.	9790	Seq. ID	OJ000209_24.0229.C2
Gene No.	20837	Strand	-
Start	7947	End	9245
Name	OJ000209_24.0229.C2.o1.ts	Method	TBLASTX:Soybean
Start	8009	End	9181
GI	none	Score	55

Exons	8009..8137, 8009..8143, 8013..8213, 8013..8222, 8125..8223, 8672..8836, 8679..8816, 8684..8824, 8834..9034, 8835..9071, 9038..9172, 9053..9181		
Seq. No.	9790	Seq. ID	OJ000209_24.0229.C2
Gene No.	20837	Strand	-
Start	7947	End	9245
Name	OJ000209_24.0229.C2.o1.tw	Method	TBLASTX:Wheat
Start	8678	End	9013
GI	none	Score	62
Exons	8678..8833, 8718..8843, 8843..9013, 8847..9011		
Seq. No.	9790	Seq. ID	OJ000209_24.0229.C2
Gene No.	20837	Strand	-
Start	7947	End	9245
Name	OJ000209_24.0229.C2.o2.tc	Method	TBLASTX:Cress
Start	8708	End	9190
GI	none	Score	48
Exons	8708..8824, 8759..8842, 8843..9016, 8844..9017, 8846..9019, 9014..9184, 9027..9164, 9056..9190		
Seq. No.	9791	Seq. ID	OJ000209_24.0229.C3
Gene No.	20838	Strand	-
Start	1	End	2805
Name	OJ000209_24.0229.C3.o1.np	Method	AAT/NAP
Start	1	End	2205
GI	4006921	Score	1808
Exons	1..210, 985..2205		
GI Descrip.	(Z99708) putative protein [Arabidopsis thaliana]		
Seq. No.	9791	Seq. ID	OJ000209_24.0229.C3
Gene No.	20838	Strand	-
Start	1	End	2805
Name	OJ000209_24.0229.C3.o3.tm	Method	TBLASTX:Maize
Start	2	End	149
GI	none	Score	104
Exons	2..148, 3..149		
Seq. No.	9791	Seq. ID	OJ000209_24.0229.C3
Gene No.	20838	Strand	-
Start	1	End	2805
Name	OJ000209_24.0229.C3.o1.gs	Method	GENSCAN
Start	25	End	2805
GI	none	Score	.9
Exons	25..210, 985..1847, 1925..2038, 2741..2805		
Seq. No.	9791	Seq. ID	OJ000209_24.0229.C3
Gene No.	20838	Strand	-
Start	1	End	2805
Name	OJ000209_24.0229.C3.o1.tc	Method	TBLASTX:Cress
Start	59	End	1453
GI	none	Score	105
Exons	59..217, 95..208, 983..1330, 984..1367, 1332..1451, 1334..1453		
Seq. No.	9791	Seq. ID	OJ000209_24.0229.C3
Gene No.	20838	Strand	-
Start	1	End	2805

Name	OJ000209_24.0229.C3.o2.tm	Method	TBLASTX:Maize
Start	1061	End	1329
GI	none	Score	298
Exons	1061..1321, 1061..1324, 1065..1325, 1065..1328, 1069..1329		

Seq. No.	9791	Seq. ID	OJ000209_24.0229.C3
Gene No.	20838	Strand	-
Start	1	End	2805
Name	OJ000209_24.0229.C3.o1.tm	Method	TBLASTX:Maize
Start	1407	End	1685
GI	none	Score	372
Exons	1407..1685, 1409..1684		

Seq. No.	9792	Seq. ID	OJ000209_24.0229.C4
Gene No.	20839	Strand	-
Start	538	End	1446
Name	OJ000209_24.0229.C4.o1.gs	Method	GENSCAN
Start	538	End	1446
GI	none	Score	.87
Exons	538..711, 1441..1446		

Seq. No.	9793	Seq. ID	OJ000209_24.0229.C5
Gene No.	20840	Strand	-
Start	14	End	468
Name	OJ000209_24.0229.C5.o1.gs	Method	GENSCAN
Start	14	End	468
GI	none	Score	.97
Exons	14..468		

Seq. No.	9793	Seq. ID	OJ000209_24.0229.C5
Gene No.	20841	Strand	-
Start	2159	End	3550
Name	OJ000209_24.0229.C5.o2.tm	Method	TBLASTX:Maize
Start	1	End	466
GI	none	Score	145
Exons	1..135, 1..153, 136..204, 145..171, 281..373, 307..372, 406..465, 409..465, 416..466		

Seq. No.	9793	Seq. ID	OJ000209_24.0229.C5
Gene No.	20841	Strand	-
Start	2159	End	3550
Name	OJ000209_24.0229.C5.o1.np	Method	AAT/NAP
Start	2159	End	3550
GI	6017099	Score	855
Exons	2159..3179, 3465..3550		
GI Descrip.	(AC009895) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	9793	Seq. ID	OJ000209_24.0229.C5
Gene No.	20841	Strand	-
Start	2159	End	3550
Name	OJ000209_24.0229.C5.o2.gs	Method	GENSCAN
Start	2159	End	3139
GI	none	Score	.99
Exons	2159..3139		

Seq. No.	9793	Seq. ID	OJ000209_24.0229.C5
Gene No.	20841	Strand	-

Start	2159	End	3550
Name	OJ000209_24.0229.C5.o1.tm	Method	TBLASTX:Maize
Start	2438	End	3145
GI	none	Score	43
Exons	2438..2494, 2588..2629, 2589..2627, 2636..2701, 2643..2702, 2720..3145, 2721..3116		

Seq. No.	9793	Seq. ID	OJ000209_24.0229.C5
Gene No.	20841	Strand	-
Start	2159	End	3550
Name	OJ000209_24.0229.C5.o1.ts	Method	TBLASTX:Soybean
Start	2546	End	3134
GI	none	Score	39
Exons	2546..2578, 2591..2629, 2592..2627, 2633..2701, 2634..2702, 2723..3133, 2733..3134		

Seq. No.	9793	Seq. ID	OJ000209_24.0229.C5
Gene No.	20841	Strand	-
Start	2159	End	3550
Name	OJ000209_24.0229.C5.o1.tc	Method	TBLASTX:Cress
Start	2552	End	3145
GI	none	Score	48
Exons	2552..2578, 2591..2629, 2592..2627, 2633..2701, 2634..2702, 2718..3131, 2720..3145		

Seq. No.	9794	Seq. ID	OJ000209_24.0229.C6
Gene No.	20842	Strand	+
Start	5968	End	7359
Name	OJ000209_24.0229.C6.o2.gs	Method	GENSCAN
Start	5968	End	7359
GI	none	Score	.69
Exons	5968..7359		

Seq. No.	9794	Seq. ID	OJ000209_24.0229.C6
Gene No.	20843	Strand	-
Start	3921	End	4718
Name	OJ000209_24.0229.C6.o1.gs	Method	GENSCAN
Start	3921	End	4702
GI	none	Score	.82
Exons	3921..4074, 4080..4702		

Seq. No.	9794	Seq. ID	OJ000209_24.0229.C6
Gene No.	20843	Strand	-
Start	3921	End	4718
Name	OJ000209_24.0229.C6.o1.np	Method	AAT/NAP
Start	4070	End	4718
GI	6017099	Score	630
Exons	4070..4718		
GI Descrip.	(AC009895) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	9794	Seq. ID	OJ000209_24.0229.C6
Gene No.	20844	Strand	-
Start	8410	End	10134
Name	OJ000209_24.0229.C6.o1.tc	Method	TBLASTX:Cress
Start	4073	End	4376
GI	none	Score	170
Exons	4073..4372, 4077..4376		

Seq. No.	9794	Seq. ID	OJ000209_24.0229.C6
Gene No.	20844	Strand	-
Start	8410	End	10134
Name	OJ000209_24.0229.C6.o2.ts	Method	TBLASTX:Soybean
Start	4073	End	4280
GI	none	Score	164
Exons	4073..4267, 4083..4280		

Seq. No.	9794	Seq. ID	OJ000209_24.0229.C6
Gene No.	20844	Strand	-
Start	8410	End	10134
Name	OJ000209_24.0229.C6.o1.tm	Method	TBLASTX:Maize
Start	4259	End	4711
GI	none	Score	108
Exons	4259..4363, 4260..4391, 4461..4688, 4466..4711		

Seq. No.	9794	Seq. ID	OJ000209_24.0229.C6
Gene No.	20844	Strand	-
Start	8410	End	10134
Name	OJ000209_24.0229.C6.o1.ts	Method	TBLASTX:Soybean
Start	4319	End	4703
GI	none	Score	69
Exons	4319..4408, 4320..4409, 4436..4696, 4467..4703		

Seq. No.	9794	Seq. ID	OJ000209_24.0229.C6
Gene No.	20844	Strand	-
Start	8410	End	10134
Name	OJ000209_24.0229.C6.o2.tc	Method	TBLASTX:Cress
Start	4448	End	4697
GI	none	Score	168
Exons	4448..4696, 4449..4697		

Seq. No.	9794	Seq. ID	OJ000209_24.0229.C6
Gene No.	20844	Strand	-
Start	8410	End	10134
Name	OJ000209_24.0229.C6.o3.gs	Method	GENSCAN
Start	8410	End	10083
GI	none	Score	.57
Exons	8410..8472, 8940..9168, 9761..10083		

Seq. No.	9794	Seq. ID	OJ000209_24.0229.C6
Gene No.	20844	Strand	-
Start	8410	End	10134
Name	OJ000209_24.0229.C6.o2.np	Method	AAT/NAP
Start	9688	End	10134
GI	3810596	Score	153
Exons	9688..10134		
GI Descrip.	(AC005398) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	9795	Seq. ID	OJ000209_24.0229.C7
Gene No.	20845	Strand	+
Start	4147	End	4662
Name	OJ000209_24.0229.C7.o2.gs	Method	GENSCAN
Start	4147	End	4662
GI	none	Score	.91

Exons	4147..4662		
Seq. No.	9795	Seq. ID	OJ000209_24.0229.C7
Gene No.	20846	Strand	-
Start	1	End	850
Name	OJ000209_24.0229.C7.o1.np	Method	AAT/NAP
Start	1	End	850
GI	4680179	Score	1482
Exons	1..850		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	9795	Seq. ID	OJ000209_24.0229.C7
Gene No.	20847	Strand	-
Start	1105	End	1923
Name	OJ000209_24.0229.C7.o2.np	Method	AAT/NAP
Start	1105	End	1923
GI	5042448	Score	1169
Exons	1105..1923		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		
Seq. No.	9795	Seq. ID	OJ000209_24.0229.C7
Gene No.	20848	Strand	-
Start	5691	End	9192
Name	OJ000209_24.0229.C7.o6.tm	Method	TBLASTX:Maize
Start	11	End	343
GI	none	Score	114
Exons	11..343, 59..343, 156..326		
Seq. No.	9795	Seq. ID	OJ000209_24.0229.C7
Gene No.	20848	Strand	-
Start	5691	End	9192
Name	OJ000209_24.0229.C7.o7.tw	Method	TBLASTX:Wheat
Start	224	End	587
GI	none	Score	104
Exons	224..580, 224..583, 483..587		
Seq. No.	9795	Seq. ID	OJ000209_24.0229.C7
Gene No.	20848	Strand	-
Start	5691	End	9192
Name	OJ000209_24.0229.C7.o3.gs	Method	GENSCAN
Start	5691	End	8801
GI	none	Score	.73
Exons	5691..8801		
Seq. No.	9795	Seq. ID	OJ000209_24.0229.C7
Gene No.	20848	Strand	-
Start	5691	End	9192
Name	OJ000209_24.0229.C7.o3.np	Method	AAT/NAP
Start	5694	End	9192
GI	4680179	Score	6032
Exons	5694..9192		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	9795	Seq. ID	OJ000209_24.0229.C7
Gene No.	20848	Strand	-
Start	5691	End	9192

Name	OJ000209_24.0229.C7.o6.tw	Method	TBLASTX:Wheat
Start	5704	End	6072
GI	none	Score	35
Exons	5704..5757, 5739..6071, 5760..5900, 5863..5979, 5964..6044, 6019..6072		

Seq. No.	9795	Seq. ID	OJ000209_24.0229.C7
Gene No.	20848	Strand	-
Start	5691	End	9192
Name	OJ000209_24.0229.C7.o7.tm	Method	TBLASTX:Maize
Start	5718	End	5915
GI	none	Score	197
Exons	5718..5915		

Seq. No.	9795	Seq. ID	OJ000209_24.0229.C7
Gene No.	20848	Strand	-
Start	5691	End	9192
Name	OJ000209_24.0229.C7.o1.tm	Method	TBLASTX:Maize
Start	5919	End	6518
GI	none	Score	258
Exons	5919..6359, 5932..6357, 6357..6518, 6364..6510		

Seq. No.	9795	Seq. ID	OJ000209_24.0229.C7
Gene No.	20848	Strand	-
Start	5691	End	9192
Name	OJ000209_24.0229.C7.o1.tw	Method	TBLASTX:Wheat
Start	6072	End	6698
GI	none	Score	341
Exons	6072..6698, 6073..6696		

Seq. No.	9795	Seq. ID	OJ000209_24.0229.C7
Gene No.	20848	Strand	-
Start	5691	End	9192
Name	OJ000209_24.0229.C7.o4.tm	Method	TBLASTX:Maize
Start	6567	End	6858
GI	none	Score	252
Exons	6567..6857, 6571..6858		

Seq. No.	9795	Seq. ID	OJ000209_24.0229.C7
Gene No.	20848	Strand	-
Start	5691	End	9192
Name	OJ000209_24.0229.C7.o2.ts	Method	TBLASTX:Soybean
Start	6657	End	6917
GI	none	Score	155
Exons	6657..6917, 6658..6912		

Seq. No.	9795	Seq. ID	OJ000209_24.0229.C7
Gene No.	20848	Strand	-
Start	5691	End	9192
Name	OJ000209_24.0229.C7.o1.tc	Method	TBLASTX:Cress
Start	6681	End	6998
GI	none	Score	87
Exons	6681..6824, 6682..6822, 6825..6998		

Seq. No.	9795	Seq. ID	OJ000209_24.0229.C7
Gene No.	20848	Strand	-
Start	5691	End	9192

Name	OJ000209_24.0229.C7.o3.tw	Method	TBLASTX:Wheat
Start	6705	End	7185
GI	none	Score	245
Exons	6705..7184, 6706..6960, 6738..7169, 7012..7185		

Seq. No.	9795	Seq. ID	OJ000209_24.0229.C7
Gene No.	20848	Strand	-
Start	5691	End	9192
Name	OJ000209_24.0229.C7.o2.tw	Method	TBLASTX:Wheat
Start	7188	End	7697
GI	none	Score	247
Exons	7188..7697, 7272..7619, 7354..7665		

Seq. No.	9795	Seq. ID	OJ000209_24.0229.C7
Gene No.	20848	Strand	-
Start	5691	End	9192
Name	OJ000209_24.0229.C7.o2.tm	Method	TBLASTX:Maize
Start	7260	End	7625
GI	none	Score	160
Exons	7260..7571, 7272..7625, 7357..7623		

Seq. No.	9795	Seq. ID	OJ000209_24.0229.C7
Gene No.	20848	Strand	-
Start	5691	End	9192
Name	OJ000209_24.0229.C7.o3.ts	Method	TBLASTX:Soybean
Start	7446	End	7691
GI	none	Score	202
Exons	7446..7691		

Seq. No.	9795	Seq. ID	OJ000209_24.0229.C7
Gene No.	20848	Strand	-
Start	5691	End	9192
Name	OJ000209_24.0229.C7.o3.tm	Method	TBLASTX:Maize
Start	7662	End	8162
GI	none	Score	43
Exons	7662..7997, 7705..7755, 7707..7910, 7780..7911, 7983..8162		

Seq. No.	9795	Seq. ID	OJ000209_24.0229.C7
Gene No.	20848	Strand	-
Start	5691	End	9192
Name	OJ000209_24.0229.C7.o5.tw	Method	TBLASTX:Wheat
Start	7698	End	8000
GI	none	Score	238
Exons	7698..8000, 7699..7968		

Seq. No.	9795	Seq. ID	OJ000209_24.0229.C7
Gene No.	20848	Strand	-
Start	5691	End	9192
Name	OJ000209_24.0229.C7.o1.ts	Method	TBLASTX:Soybean
Start	7713	End	8108
GI	none	Score	73
Exons	7713..7817, 7713..8072, 7714..7968, 7992..8072, 8064..8108, 8076..8108		

Seq. No.	9795	Seq. ID	OJ000209_24.0229.C7
Gene No.	20848	Strand	-
Start	5691	End	9192

Name	OJ000209_24.0229.C7.o4.tw	Method	TBLASTX:Wheat
Start	8049	End	8531
GI	none	Score	156
Exons	8049..8531, 8082..8402, 8092..8427		

Seq. No.	9795	Seq. ID	OJ000209_24.0229.C7
Gene No.	20848	Strand	-
Start	5691	End	9192
Name	OJ000209_24.0229.C7.o4.ts	Method	TBLASTX:Soybean
Start	8181	End	8495
GI	none	Score	183
Exons	8181..8495		

Seq. No.	9795	Seq. ID	OJ000209_24.0229.C7
Gene No.	20848	Strand	-
Start	5691	End	9192
Name	OJ000209_24.0229.C7.o5.tm	Method	TBLASTX:Maize
Start	8230	End	8519
GI	none	Score	165
Exons	8230..8421, 8232..8519		

Seq. No.	9795	Seq. ID	OJ000209_24.0229.C7
Gene No.	20848	Strand	-
Start	5691	End	9192
Name	OJ000209_24.0229.C7.o8.tw	Method	TBLASTX:Wheat
Start	8712	End	9110
GI	none	Score	97
Exons	8712..8876, 8713..8850, 8916..9110, 8962..9075		

Seq. No.	9796	Seq. ID	OJ000209_24.0229.C8
Gene No.	20849	Strand	+
Start	1668	End	2399
Name	OJ000209_24.0229.C8.o1.gs	Method	GENSCAN
Start	1668	End	2393
GI	none	Score	.56
Exons	1668..1839, 2242..2393		

Seq. No.	9796	Seq. ID	OJ000209_24.0229.C8
Gene No.	20849	Strand	+
Start	1668	End	2399
Name	OJ000209_24.0229.C8.o1.np	Method	AAT/NAP
Start	2231	End	2399
GI	5042462	Score	115
Exons	2231..2278, 2307..2399		
GI Descrip.	(AC007789) putative negatively light-regulated protein [Oryza sativa]		

Seq. No.	9796	Seq. ID	OJ000209_24.0229.C8
Gene No.	20850	Strand	+
Start	4887	End	6623
Name	OJ000209_24.0229.C8.o3.gs	Method	GENSCAN
Start	4887	End	6623
GI	none	Score	.94
Exons	4887..4899, 4901..5040, 5115..6623		

Seq. No.	9796	Seq. ID	OJ000209_24.0229.C8
Gene No.	20851	Strand	-

Start	3864	End	4369
Name	OJ000209_24.0229.C8.o1.gp	Method	AAT/GAP
Start	2521	End	2608
GI	LIB3477-003-P1-K1-E9	Score	121
Exons	2521..2608		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	9796	Seq. ID	OJ000209_24.0229.C8
Gene No.	20851	Strand	-
Start	3864	End	4369
Name	OJ000209_24.0229.C8.o2.gs	Method	GENSCAN
Start	3864	End	4369
GI	none	Score	.84
Exons	3864..4214, 4358..4369		

Seq. No.	9796	Seq. ID	OJ000209_24.0229.C8
Gene No.	20852	Strand	-
Start	7476	End	7951
Name	OJ000209_24.0229.C8.o4.gs	Method	GENSCAN
Start	7476	End	7951
GI	none	Score	.99
Exons	7476..7951		

Seq. No.	9797	Seq. ID	OJ000209_24.0229.C9
Gene No.	20853	Strand	+
Start	135	End	588
Name	OJ000209_24.0229.C9.o1.gp	Method	AAT/GAP
Start	135	End	588
GI	none	Score	597
Exons	135..230, 367..588		

Seq. No.	9797	Seq. ID	OJ000209_24.0229.C9
Gene No.	20853	Strand	+
Start	135	End	588
Name	OJ000209_24.0229.C9.o1.gs	Method	GENSCAN
Start	141	End	447
GI	none	Score	.64
Exons	141..230, 367..447		

Seq. No.	9798	Seq. ID	OJ000209_24.0229.C10
Gene No.	20854	Strand	-
Start	40	End	9144
Name	OJ000209_24.0229.C10.o1.tm	Method	TBLASTX:Maize
Start	9	End	1821
GI	none	Score	113
Exons	9..134, 26..136, 38..136, 39..137, 597..773, 628..771, 628..783, 635..778, 1519..1635, 1520..1636, 1521..1637, 1737..1811, 1743..1820, 1747..1821		

Seq. No.	9798	Seq. ID	OJ000209_24.0229.C10
Gene No.	20854	Strand	-
Start	40	End	9144
Name	OJ000209_24.0229.C10.o1.tc	Method	TBLASTX:Cress
Start	38	End	744
GI	none	Score	96

Exons	38..136, 70..135, 628..744, 635..742		
Seq. No.	9798	Seq. ID	OJ000209_24.0229.C10
Gene No.	20854	Strand	-
Start	40	End	9144
Name	OJ000209_24.0229.C10.o1.ts	Method	TBLASTX:Soybean
Start	38	End	1855
GI	none	Score	104
Exons	38..139, 70..135, 609..758, 628..783, 641..778, 1516..1635, 1520..1636, 1743..1853, 1746..1853, 1747..1854, 1769..1855		
Seq. No.	9798	Seq. ID	OJ000209_24.0229.C10
Gene No.	20854	Strand	-
Start	40	End	9144
Name	OJ000209_24.0229.C10.o1.gs	Method	GENSCAN
Start	40	End	8871
GI	none	Score	.53
Exons	40..135, 631..768, 1522..1636, 1748..1864, 2678..2820, 3014..3269, 4693..4856, 5496..5567, 5661..5742, 5834..5913, 6158..6805, 8574..8687, 8722..8871		
Seq. No.	9798	Seq. ID	OJ000209_24.0229.C10
Gene No.	20854	Strand	-
Start	40	End	9144
Name	OJ000209_24.0229.C10.o1.np	Method	AAT/NAP
Start	4474	End	9144
GI	4510381	Score	178
Exons	4474..4796, 4895..5005, 5496..5567, 5661..5698, 9073..9144		
GI Descrip.	(AC007017) unknown protein [Arabidopsis thaliana]		
Seq. No.	9798	Seq. ID	OJ000209_24.0229.C10
Gene No.	20854	Strand	-
Start	40	End	9144
Name	OJ000209_24.0229.C10.o1.gp	Method	AAT/GAP
Start	5821	End	8661
GI	none	Score	1500
Exons	5821..5913, 6158..6805, 8574..8661		
Seq. No.	9799	Seq. ID	OJ000209_24.0229.C11
Gene No.	20855	Strand	+
Start	118	End	1058
Name	OJ000209_24.0229.C11.o1.gs	Method	GENSCAN
Start	118	End	1058
GI	none	Score	.48
Exons	118..139, 925..1058		
Seq. No.	9800	Seq. ID	OJ000209_24.0229.C13
Gene No.	20856	Strand	-
Start	2118	End	2278
Name	OJ000209_24.0229.C13.o2.gs	Method	GENSCAN
Start	2118	End	2278
GI	none	Score	.77
Exons	2118..2278		
Seq. No.	9801	Seq. ID	OJ000209_24.0229.C14
Gene No.	20857	Strand	-
Start	1	End	1811

Name	OJ000209_24.0229.C14.o1.np	Method	AAT/NAP
Start	1	End	1811
GI	4467139	Score	216
Exons	1..19, 508..698, 1516..1811		
GI Descrip.	(AL035540) putative protein phosphatase-2c [Arabidopsis thaliana]		

Seq. No.	9801	Seq. ID	OJ000209_24.0229.C14
Gene No.	20857	Strand	-
Start	1	End	1811
Name	OJ000209_24.0229.C14.o1.ts	Method	TBLASTX:Soybean
Start	520	End	1737
GI	none	Score	59
Exons	520..699, 534..635, 1525..1671, 1535..1633, 1537..1671, 1636..1737, 1660..1731		

Seq. No.	9801	Seq. ID	OJ000209_24.0229.C14
Gene No.	20857	Strand	-
Start	1	End	1811
Name	OJ000209_24.0229.C14.o1.tm	Method	TBLASTX:Maize
Start	555	End	1731
GI	none	Score	60
Exons	555..635, 562..699, 1516..1674, 1663..1731		

Seq. No.	9801	Seq. ID	OJ000209_24.0229.C14
Gene No.	20857	Strand	-
Start	1	End	1811
Name	OJ000209_24.0229.C14.o1.gs	Method	GENSCAN
Start	573	End	1728
GI	none	Score	.5
Exons	573..698, 1516..1728		

Seq. No.	9801	Seq. ID	OJ000209_24.0229.C14
Gene No.	20857	Strand	-
Start	1	End	1811
Name	OJ000209_24.0229.C14.o1.gp	Method	AAT/GAP
Start	620	End	1722
GI	14101_1.R1084	Score	546
Exons	620..698, 1516..1722		
GI Descrip.	'3608412 2.0e-32 (AF079355) protein phosphatase-2c [Mesembryanthemum crystallinum]'		

Seq. No.	9801	Seq. ID	OJ000209_24.0229.C14
Gene No.	20857	Strand	-
Start	1	End	1811
Name	OJ000209_24.0229.C14.o1.tc	Method	TBLASTX:Cress
Start	1525	End	1731
GI	none	Score	68
Exons	1525..1674, 1663..1731		

Seq. No.	9802	Seq. ID	OJ000209_24.0229.C15
Gene No.	20858	Strand	+
Start	6453	End	10963
Name	OJ000209_24.0229.C15.o2.np	Method	AAT/NAP
Start	6453	End	10679
GI	2244807	Score	603
Exons	6453..6481, 8799..9021, 9959..10442, 10542..10679		

GI Descrip. (Z97336) hypothetical protein [Arabidopsis thaliana]

Seq. No.	9802	Seq. ID	OJ000209_24.0229.C15
Gene No.	20858	Strand	+
Start	6453	End	10963
Name	OJ000209_24.0229.C15.o1.gp	Method	AAT/GAP
Start	10341	End	10963
GI	uC-osflm202102a06b1	Score	420
Exons	10341..10442, 10542..10672, 10934..10963		
GI Descrip.	'2244807/emb|CAB10230.1| 1.0e-42 (Z97336) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	9802	Seq. ID	OJ000209_24.0229.C15
Gene No.	20859	Strand	-
Start	338	End	6081
Name	OJ000209_24.0229.C15.o1.gs	Method	GENSCAN
Start	338	End	6081
GI	none	Score	.64
Exons	338..890, 1059..1850, 2719..3410, 3468..3633, 3785..4032, 4448..4530, 5014..5119, 5365..5439, 5992..6081		

Seq. No.	9802	Seq. ID	OJ000209_24.0229.C15
Gene No.	20859	Strand	-
Start	338	End	6081
Name	OJ000209_24.0229.C15.o2.ts	Method	TBLASTX:Soybean
Start	1796	End	2465
GI	none	Score	65
Exons	1796..1960, 1970..2101, 2139..2249, 2346..2384, 2364..2465		

Seq. No.	9802	Seq. ID	OJ000209_24.0229.C15
Gene No.	20860	Strand	
Start	8815	End	10672
Name	OJ000209_24.0229.C15.o1.tm	Method	TBLASTX:Maize
Start	8815	End	10446
GI	none	Score	69
Exons	8815..8955, 10196..10444, 10288..10446		

Seq. No.	9802	Seq. ID	OJ000209_24.0229.C15
Gene No.	20860	Strand	
Start	8815	End	10672
Name	OJ000209_24.0229.C15.o1.ts	Method	TBLASTX:Soybean
Start	10201	End	10672
GI	none	Score	87
Exons	10201..10332, 10202..10348, 10288..10359, 10556..10672, 10567..10668		

Seq. No.	9803	Seq. ID	OJ000209_24.0229.C16
Gene No.	20861	Strand	+
Start	1	End	705
Name	OJ000209_24.0229.C16.o1.np	Method	AAT/NAP
Start	1	End	705
GI	2244807	Score	125
Exons	1..556, 678..705		
GI Descrip.	(Z97336) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	9803	Seq. ID	OJ000209_24.0229.C16
Gene No.	20861	Strand	+

Start	1	End	705
Name	OJ000209_24.0229.C16.o1.gp	Method	AAT/GAP
Start	166	End	337
GI	uC-osflm202102a06b1	Score	307
Exons	166..337		
GI Descrip.	'2244807/emb|CAB10230.1| 1.0e-42 (Z97336) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	9804	Seq. ID	OJ000209_24.0229.C17
Gene No.	20862	Strand	+
Start	70	End	1445
Name	OJ000209_24.0229.C17.o1.gs	Method	GENSCAN
Start	70	End	1445
GI	none	Score	.56
Exons	70..323, 538..577, 1292..1445		

Seq. No.	9804	Seq. ID	OJ000209_24.0229.C17
Gene No.	20863	Strand	+
Start	2748	End	3524
Name	OJ000209_24.0229.C17.o2.gs	Method	GENSCAN
Start	2748	End	3524
GI	none	Score	.7
Exons	2748..3055, 3120..3243, 3471..3524		

Seq. No.	9804	Seq. ID	OJ000209_24.0229.C17
Gene No.	20864	Strand	+
Start	4945	End	5127
Name	OJ000209_24.0229.C17.o1.np	Method	AAT/NAP
Start	4945	End	5127
GI	131358	Score	321
Exons	4945..5127		
GI Descrip.	PHOTOSYSTEM II 4 KD REACTION CENTER PROTEIN PRECURSOR gi|72700|pir||F2RZKS photosystem II protein psbK - rice chloroplast gi|11961|emb|CAA34010| (X15901) PSII K protein [Oryza sativa] gi|226672|prf||1603356D photosystem II K protein [Oryza sativa]		

Seq. No.	9804	Seq. ID	OJ000209_24.0229.C17
Gene No.	20865	Strand	-
Start	258	End	531
Name	OJ000209_24.0229.C17.o1.gp	Method	AAT/GAP
Start	258	End	531
GI	none	Score	428
Exons	258..531		

Seq. No.	9804	Seq. ID	OJ000209_24.0229.C17
Gene No.	20866	Strand	
Start	4828	End	5270
Name	OJ000209_24.0229.C17.o1.tm	Method	TBLASTX:Maize
Start	4828	End	5270
GI	none	Score	67
Exons	4828..4875, 4832..4879, 4867..5181, 4868..5182, 4873..5181, 4995..5186, 5185..5226, 5186..5224, 5187..5270		

Seq. No.	9804	Seq. ID	OJ000209_24.0229.C17
Gene No.	20866	Strand	
Start	4828	End	5270

Name	OJ000209_24.0229.C17.o1.tw	Method	TBLASTX:Wheat
Start	4828	End	5031
GI	none	Score	281
Exons	4828..5031, 4831..5031		

Seq. No.	9804	Seq. ID	OJ000209_24.0229.C17
Gene No.	20866	Strand	
Start	4828	End	5270
Name	OJ000209_24.0229.C17.o1.ts	Method	TBLASTX:Soybean
Start	4900	End	5151
GI	none	Score	279
Exons	4900..5151, 4929..5135		

Seq. No.	9804	Seq. ID	OJ000209_24.0229.C17
Gene No.	20866	Strand	
Start	4828	End	5270
Name	OJ000209_24.0229.C17.o1.tc	Method	TBLASTX:Cress
Start	4926	End	5158
GI	none	Score	237
Exons	4926..5138, 4933..5157, 4940..5158, 4942..5157		

Seq. No.	9805	Seq. ID	OJ000209_24.0229.C18
Gene No.	20867	Strand	+
Start	1	End	1928
Name	OJ000209_24.0229.C18.o1.np	Method	AAT/NAP
Start	1	End	1928
GI	6850880	Score	241
Exons	1..36, 1383..1540, 1679..1928		
GI Descrip.	(AL137898) putative protein [Arabidopsis thaliana]		

Seq. No.	9805	Seq. ID	OJ000209_24.0229.C18
Gene No.	20867	Strand	+
Start	1	End	1928
Name	OJ000209_24.0229.C18.o1.gs	Method	GENSCAN
Start	530	End	1540
GI	none	Score	.93
Exons	530..580, 1305..1540		

Seq. No.	9805	Seq. ID	OJ000209_24.0229.C18
Gene No.	20867	Strand	+
Start	1	End	1928
Name	OJ000209_24.0229.C18.o1.tc	Method	TBLASTX:Cress
Start	1676	End	1928
GI	none	Score	216
Exons	1676..1894, 1677..1928		

Seq. No.	9805	Seq. ID	OJ000209_24.0229.C18
Gene No.	20867	Strand	+
Start	1	End	1928
Name	OJ000209_24.0229.C18.o1.tm	Method	TBLASTX:Maize
Start	1688	End	1928
GI	none	Score	204
Exons	1688..1912, 1689..1928		

Seq. No.	9805	Seq. ID	OJ000209_24.0229.C18
Gene No.	20867	Strand	+
Start	1	End	1928

Name	OJ000209_24.0229.C18.o1.ts	Method	TBLASTX:Soybean
Start	1689	End	1928
GI	none	Score	191
Exons	1689..1928		

Seq. No.	9806	Seq. ID	OJ000209_24.0229.C19
Gene No.	20868	Strand	-
Start	34	End	288
Name	OJ000209_24.0229.C19.o1.gs	Method	GENSCAN
Start	34	End	288
GI	none	Score	.98
Exons	34..288		

Seq. No.	9807	Seq. ID	OJ000209_24.0229.C22
Gene No.	20869	Strand	+
Start	1	End	691
Name	OJ000209_24.0229.C22.o1.np	Method	AAT/NAP
Start	1	End	691
GI	4510381	Score	127
Exons	1..275, 374..691		
GI Descrip.	(AC007017) unknown protein [Arabidopsis thaliana]		

Seq. No.	9808	Seq. ID	OJ000209_26.0229.C1
Gene No.	20870	Strand	+
Start	1	End	263
Name	OJ000209_26.0229.C1.o1.np	Method	AAT/NAP
Start	1	End	263
GI	1871186	Score	106
Exons	1..263		
GI Descrip.	(U90439) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	9809	Seq. ID	OJ000209_26.0229.C2
Gene No.	20871	Strand	+
Start	284	End	1497
Name	OJ000209_26.0229.C2.o1.gs	Method	GENSCAN
Start	284	End	1159
GI	none	Score	.99
Exons	284..1159		

Seq. No.	9809	Seq. ID	OJ000209_26.0229.C2
Gene No.	20871	Strand	+
Start	284	End	1497
Name	OJ000209_26.0229.C2.o1.gp	Method	AAT/GAP
Start	1027	End	1497
GI	2800707	Score	700
Exons	1027..1497		

Seq. No.	9809	Seq. ID	OJ000209_26.0229.C2
Gene No.	20872	Strand	-
Start	1437	End	4906
Name	OJ000209_26.0229.C2.o2.gs	Method	GENSCAN
Start	1437	End	4698
GI	none	Score	.74
Exons	1437..1792, 1897..2049, 2131..2279, 2430..2498, 2701..2976, 3181..3202, 3433..3601, 3877..3966, 4456..4698		

Seq. No.	9809	Seq. ID	OJ000209_26.0229.C2

Gene No.	20872	Strand	-
Start	1437	End	4906
Name	OJ000209_26.0229.C2.o1.tm	Method	TBLASTX:Maize
Start	1509	End	4901
GI	none	Score	108
Exons	1509..1619, 1616..1795, 1672..1785, 1885..2043, 1892..2050, 1892..2050, 2132..2281, 2133..2282, 2136..2285, 2423..2530, 2430..2531, 2430..2531, 2469..2630, 2534..2689, 2552..2692, 2557..2691, 2787..2978, 2788..2979, 2788..2979, 3806..3961, 3808..3972, 3808..3963, 4477..4566, 4480..4704, 4488..4628, 4502..4705, 4529..4708, 4787..4840, 4789..4869, 4789..4839, 4845..4901, 4845..4901		

Seq. No.	9809	Seq. ID	OJ000209_26.0229.C2
Gene No.	20872	Strand	-
Start	1437	End	4906
Name	OJ000209_26.0229.C2.o2.np	Method	AAT/NAP
Start	1536	End	4906
GI	6056371	Score	1477
Exons	1536..1792, 1909..2049, 2131..2279, 2430..2690, 2789..2976, 3809..3966, 4489..4703, 4791..4906		
GI Descrip.	(AC009894) nucleolar protein [Arabidopsis thaliana]		

Seq. No.	9809	Seq. ID	OJ000209_26.0229.C2
Gene No.	20872	Strand	-
Start	1437	End	4906
Name	OJ000209_26.0229.C2.o1.ts	Method	TBLASTX:Soybean
Start	1907	End	4860
GI	none	Score	83
Exons	1907..2050, 1934..2035, 1972..2061, 2117..2272, 2132..2281, 2133..2282, 2133..2285, 2420..2509, 2423..2530, 2430..2531, 2500..2691, 2534..2686, 2560..2691, 2781..2972, 2787..2978, 2788..2979, 3806..3961, 3808..3960, 3814..3984, 4480..4704, 4529..4708, 4789..4839, 4792..4860		

Seq. No.	9809	Seq. ID	OJ000209_26.0229.C2
Gene No.	20872	Strand	-
Start	1437	End	4906
Name	OJ000209_26.0229.C2.o2.tc	Method	TBLASTX:Cress
Start	2507	End	3919
GI	none	Score	58
Exons	2507..2530, 2560..2691, 2758..2904, 2805..2978, 2956..2979, 3806..3919, 3808..3918		

Seq. No.	9809	Seq. ID	OJ000209_26.0229.C2
Gene No.	20872	Strand	-
Start	1437	End	4906
Name	OJ000209_26.0229.C2.o1.tc	Method	TBLASTX:Cress
Start	3919	End	4840
GI	none	Score	126
Exons	3919..3969, 4480..4704, 4529..4708, 4789..4839, 4790..4840		

Seq. No.	9810	Seq. ID	OJ000209_26.0229.C3
Gene No.	20873	Strand	+
Start	1450	End	3075
Name	OJ000209_26.0229.C3.o1.gp	Method	AAT/GAP
Start	1450	End	3075

GI	none	Score	1063
Exons	1450..1581, 2465..2504, 2591..2691, 2778..3075		

Seq. No.	9810	Seq. ID	OJ000209_26.0229.C3
Gene No.	20873	Strand	+
Start	1450	End	3075
Name	OJ000209_26.0229.C3.o1.np	Method	AAT/NAP
Start	1516	End	2879
GI	6735311	Score	70
Exons	1516..1581, 2465..2501, 2591..2691, 2778..2879		
GI Descrip.	(AL137080) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	9810	Seq. ID	OJ000209_26.0229.C3
Gene No.	20874	Strand	+
Start	4905	End	8333
Name	OJ000209_26.0229.C3.o2.gp	Method	AAT/GAP
Start	4905	End	7109
GI	2312451	Score	670
Exons	4905..5058, 6821..6971, 7056..7109		

Seq. No.	9810	Seq. ID	OJ000209_26.0229.C3
Gene No.	20874	Strand	+
Start	4905	End	8333
Name	OJ000209_26.0229.C3.o2.np	Method	AAT/NAP
Start	4991	End	8333
GI	6522597	Score	508
Exons	4991..5058, 6821..6971, 7056..7122, 7211..7518, 8266..8333		
GI Descrip.	(AL133292) RNA binding-like protein [Arabidopsis thaliana]		

Seq. No.	9810	Seq. ID	OJ000209_26.0229.C3
Gene No.	20875	Strand	-
Start	4970	End	7471
Name	OJ000209_26.0229.C3.o2.tm	Method	TBLASTX:Maize
Start	1534	End	2864
GI	none	Score	63
Exons	1534..1581, 1536..1586, 2463..2507, 2463..2507, 2589..2690, 2589..2675, 2590..2691, 2590..2691, 2773..2850, 2774..2863, 2778..2864		

Seq. No.	9810	Seq. ID	OJ000209_26.0229.C3
Gene No.	20875	Strand	-
Start	4970	End	7471
Name	OJ000209_26.0229.C3.o2.gs	Method	GENSCAN
Start	4970	End	5494
GI	none	Score	.84
Exons	4970..5150, 5427..5494		

Seq. No.	9810	Seq. ID	OJ000209_26.0229.C3
Gene No.	20875	Strand	-
Start	4970	End	7471
Name	OJ000209_26.0229.C3.o1.ts	Method	TBLASTX:Soybean
Start	4990	End	7386
GI	none	Score	64
Exons	4990..5052, 5018..5059, 6821..6973, 6822..6974, 6831..6977, 7040..7120, 7041..7130, 7041..7121, 7054..7122, 7209..7304, 7210..7386, 7360..7386		

Seq. No.	9810	Seq. ID	OJ000209_26.0229.C3
Gene No.	20875	Strand	-
Start	4970	End	7471
Name	OJ000209_26.0229.C3.o1.tm	Method	TBLASTX:Maize
Start	6812	End	7471
GI	none	Score	217
Exons	6812..6973, 6818..6973, 6820..6975, 7030..7122, 7031..7120, 7040..7150, 7041..7130, 7204..7287, 7209..7442, 7210..7458, 7214..7471		

Seq. No.	9810	Seq. ID	OJ000209_26.0229.C3
Gene No.	20875	Strand	-
Start	4970	End	7471
Name	OJ000209_26.0229.C3.o1.tc	Method	TBLASTX:Cress
Start	7041	End	7458
GI	none	Score	94
Exons	7041..7130, 7059..7130, 7209..7301, 7210..7458, 7383..7445		

Seq. No.	9811	Seq. ID	OJ000209_26.0229.C4
Gene No.	20876	Strand	+
Start	1	End	685
Name	OJ000209_26.0229.C4.o1.np	Method	AAT/NAP
Start	1	End	579
GI	6522597	Score	186
Exons	1..40, 332..579		
GI Descrip.	(AL133292) RNA binding-like protein [Arabidopsis thaliana]		

Seq. No.	9811	Seq. ID	OJ000209_26.0229.C4
Gene No.	20876	Strand	+
Start	1	End	685
Name	OJ000209_26.0229.C4.o1.tm	Method	TBLASTX:Maize
Start	364	End	590
GI	none	Score	264
Exons	364..585, 372..590, 376..582		

Seq. No.	9811	Seq. ID	OJ000209_26.0229.C4
Gene No.	20876	Strand	+
Start	1	End	685
Name	OJ000209_26.0229.C4.o1.ts	Method	TBLASTX:Soybean
Start	366	End	618
GI	none	Score	112
Exons	366..530, 366..605, 367..618		

Seq. No.	9811	Seq. ID	OJ000209_26.0229.C4
Gene No.	20876	Strand	+
Start	1	End	685
Name	OJ000209_26.0229.C4.o1.tc	Method	TBLASTX:Cress
Start	373	End	555
GI	none	Score	219
Exons	373..555, 378..551		

Seq. No.	9811	Seq. ID	OJ000209_26.0229.C4
Gene No.	20876	Strand	+
Start	1	End	685
Name	OJ000209_26.0229.C4.o1.tw	Method	TBLASTX:Wheat
Start	472	End	685
GI	none	Score	187

Exons	472..588, 474..587, 476..592, 477..593, 594..638, 597..641, 659..685		
Seq. No.	9812	Seq. ID	OJ000209_26.0229.C6
Gene No.	20877	Strand	+
Start	718	End	836
Name	OJ000209_26.0229.C6.o1.gs	Method	GENSCAN
Start	718	End	836
GI	none	Score	.93
Exons	718..836		
Seq. No.	9812	Seq. ID	OJ000209_26.0229.C6
Gene No.	20878	Strand	+
Start	1640	End	1943
Name	OJ000209_26.0229.C6.o2.gs	Method	GENSCAN
Start	1640	End	1943
GI	none	Score	.8
Exons	1640..1704, 1898..1943		
Seq. No.	9812	Seq. ID	OJ000209_26.0229.C6
Gene No.	20879	Strand	+
Start	4495	End	4803
Name	OJ000209_26.0229.C6.o2.gp	Method	AAT/GAP
Start	4495	End	4803
GI	52217_1.R1084	Score	403
Exons	4495..4803		
GI Descrip.	'3688528/emb|CAA06243.1| 1.0e-14 (AJ004958) pre-pro-TPE4A protein [Pisum sativum]'		
Seq. No.	9812	Seq. ID	OJ000209_26.0229.C6
Gene No.	20880	Strand	+
Start	6706	End	9325
Name	OJ000209_26.0229.C6.o3.gp	Method	AAT/GAP
Start	6706	End	8446
GI	11341_1.R1084	Score	753
Exons	6706..6885, 7765..7835, 8070..8161, 8235..8294, 8402..8446		
GI Descrip.	'4115949/gb|AAD03459.1| 2.0e-22 (AF118223) contains similarity to adenosine deaminases [Arabidopsis thaliana]'		
Seq. No.	9812	Seq. ID	OJ000209_26.0229.C6
Gene No.	20880	Strand	+
Start	6706	End	9325
Name	OJ000209_26.0229.C6.o1.np	Method	AAT/NAP
Start	6809	End	9325
GI	4115949	Score	609
Exons	6809..6885, 7765..7822, 8235..8294, 8402..8798, 8890..8959, 9065..9178, 9257..9325		
GI Descrip.	(AF118223) contains similarity to adenosine deaminases [Arabidopsis thaliana]		
Seq. No.	9812	Seq. ID	OJ000209_26.0229.C6
Gene No.	20881	Strand	+
Start	10783	End	11060
Name	OJ000209_26.0229.C6.o4.gp	Method	AAT/GAP
Start	10783	End	11060
GI	6024920	Score	434
Exons	10783..11060		

Seq. No.	9812	Seq. ID	OJ000209_26.0229.C6
Gene No.	20882	Strand	-
Start	874	End	1017
Name	OJ000209_26.0229.C6.o1.gp	Method	AAT/GAP
Start	874	End	1017
GI	LIB3431-027-P1-K1-D5	Score	247
Exons	874..1017		
GI Descrip.	'2190552 1.0e-21 (AC001229) Similar to Holcus major pollen allergen (gb_Z27084). [Arabidopsis thaliana]'		

Seq. No.	9812	Seq. ID	OJ000209_26.0229.C6
Gene No.	20883	Strand	-
Start	10952	End	18174
Name	OJ000209_26.0229.C6.o1.tm	Method	TBLASTX:Maize
Start	6805	End	9315
GI	none	Score	117
Exons	6805..6891, 6809..6874, 6862..6900, 7765..7836, 7766..7837, 7766..7840, 8075..8167, 8075..8161, 8172..8204, 8208..8294, 8232..8294, 8233..8295, 8390..8614, 8399..8518, 8401..8559, 8534..8626, 8534..8620, 8535..8624, 8721..8810, 8722..8799, 8722..8811, 8856..8960, 8888..8959, 8889..8960, 8891..8962, 9062..9184, 9064..9186, 9289..9315, 9290..9313		

Seq. No.	9812	Seq. ID	OJ000209_26.0229.C6
Gene No.	20883	Strand	-
Start	10952	End	18174
Name	OJ000209_26.0229.C6.o2.ts	Method	TBLASTX:Soybean
Start	6808	End	8485
GI	none	Score	110
Exons	6808..6891, 6812..6874, 8075..8167, 8232..8294, 8390..8485		

Seq. No.	9812	Seq. ID	OJ000209_26.0229.C6
Gene No.	20883	Strand	-
Start	10952	End	18174
Name	OJ000209_26.0229.C6.o3.ts	Method	TBLASTX:Soybean
Start	8893	End	9854
GI	none	Score	84
Exons	8893..8967, 8894..8962, 9062..9193, 9076..9180, 9239..9322, 9530..9640, 9535..9636, 9741..9854		

Seq. No.	9812	Seq. ID	OJ000209_26.0229.C6
Gene No.	20883	Strand	-
Start	10952	End	18174
Name	OJ000209_26.0229.C6.o4.gs	Method	GENSCAN
Start	10952	End	18174
GI	none	Score	.74
Exons	10952..11091, 11726..11766, 12821..12907, 13000..13127, 13207..13322, 14337..14545, 14586..14635, 14673..14762, 15063..15225, 15840..15861, 15943..16255, 16354..16441, 17795..18174		

Seq. No.	9812	Seq. ID	OJ000209_26.0229.C6
Gene No.	20883	Strand	-
Start	10952	End	18174
Name	OJ000209_26.0229.C6.o3.tm	Method	TBLASTX:Maize
Start	10984	End	11895

GI	none	Score	91
Exons	10984..11100, 11027..11092, 11645..11767, 11646..11768, 11646..11768, 11647..11769, 11848..11895, 11852..11881		

Seq. No.	9812	Seq. ID	OJ000209_26.0229.C6
Gene No.	20883	Strand	-
Start	10952	End	18174
Name	OJ000209_26.0229.C6.o1.tc	Method	TBLASTX:Cress
Start	11032	End	11916
GI	none	Score	94
Exons	11032..11100, 11646..11768, 11665..11769, 11848..11916		

Seq. No.	9812	Seq. ID	OJ000209_26.0229.C6
Gene No.	20883	Strand	-
Start	10952	End	18174
Name	OJ000209_26.0229.C6.o4.ts	Method	TBLASTX:Soybean
Start	11032	End	11901
GI	none	Score	82
Exons	11032..11097, 11628..11768, 11665..11769, 11848..11901		

Seq. No.	9812	Seq. ID	OJ000209_26.0229.C6
Gene No.	20883	Strand	-
Start	10952	End	18174
Name	OJ000209_26.0229.C6.o2.np	Method	AAT/NAP
Start	11035	End	18174
GI	6735301	Score	1156
Exons	11035..11091, 11646..11766, 11852..11892, 12009..12069, 12821..12907, 13000..13127, 13207..13322, 15943..16061, 16164..16255, 16354..16441, 17795..18174		
GI Descrip.	(AL137080) UDP-GlcNAc:dolichol phosphate N-acetylglucosamine-1-phosphate transferase-like protein [Arabidopsis thaliana]		

Seq. No.	9812	Seq. ID	OJ000209_26.0229.C6
Gene No.	20883	Strand	-
Start	10952	End	18174
Name	OJ000209_26.0229.C6.o2.tm	Method	TBLASTX:Maize
Start	12003	End	16089
GI	none	Score	107
Exons	12003..12071, 12007..12084, 12009..12122, 12814..12909, 12823..12906, 12996..13127, 12997..13128, 12998..13135, 12999..13127, 13199..13327, 13204..13323, 15936..16064, 15936..16070, 15940..16089, 15943..16065		

Seq. No.	9812	Seq. ID	OJ000209_26.0229.C6
Gene No.	20883	Strand	-
Start	10952	End	18174
Name	OJ000209_26.0229.C6.o1.ts	Method	TBLASTX:Soybean
Start	12884	End	16059
GI	none	Score	42
Exons	12884..12907, 12886..12906, 12997..13101, 12999..13100, 13101..13127, 13199..13324, 13204..13323, 15855..15884, 15935..16021, 15942..16052, 15963..16055, 16009..16059		

Seq. No.	9812	Seq. ID	OJ000209_26.0229.C6
Gene No.	20883	Strand	-
Start	10952	End	18174

Name	OJ000209_26.0229.C6.o2.tc	Method	TBLASTX:Cress
Start	13092	End	16386
GI	none	Score	113
Exons	13092..13127, 13199..13315, 13204..13317, 15941..16033, 15944..16021, 16115..16249, 16152..16274, 16357..16386		

Seq. No.	9812	Seq. ID	OJ000209_26.0229.C6
Gene No.	20883	Strand	-
Start	10952	End	18174
Name	OJ000209_26.0229.C6.o5.gp	Method	AAT/GAP
Start	15937	End	16228
GI	LIB3433-029-P1-K1-A2	Score	325
Exons	15937..16061, 16164..16228		
GI Descrip.	'2443878 3.0e-16 (AC002294) Unknown protein [Arabidopsis thaliana]'		

Seq. No.	9812	Seq. ID	OJ000209_26.0229.C6
Gene No.	20883	Strand	-
Start	10952	End	18174
Name	OJ000209_26.0229.C6.o4.tm	Method	TBLASTX:Maize
Start	16158	End	16441
GI	none	Score	131
Exons	16158..16253, 16163..16249, 16343..16441, 16355..16441		

Seq. No.	9813	Seq. ID	OJ000209_26.0229.C7
Gene No.	20884	Strand	-
Start	524	End	1675
Name	OJ000209_26.0229.C7.o1.np	Method	AAT/NAP
Start	524	End	1675
GI	6815099	Score	79
Exons	524..634, 1611..1675		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	9814	Seq. ID	OJ000209_26.0229.C8
Gene No.	20885	Strand	+
Start	3083	End	11138
Name	OJ000209_26.0229.C8.o2.gs	Method	GENSCAN
Start	3083	End	11138
GI	none	Score	.9
Exons	3083..3107, 3261..3557, 3709..3884, 4367..5056, 5140..5327, 5910..6151, 6724..6866, 7195..7371, 7650..7787, 8668..8703, 9959..9998, 10090..10217, 10548..11138		

Seq. No.	9814	Seq. ID	OJ000209_26.0229.C8
Gene No.	20885	Strand	+
Start	3083	End	11138
Name	OJ000209_26.0229.C8.o2.np	Method	AAT/NAP
Start	4352	End	6911
GI	2980777	Score	538
Exons	4352..5056, 5140..5327, 5857..6151, 6724..6911		
GI Descrip.	(AL022198) putative protein [Arabidopsis thaliana]		

Seq. No.	9814	Seq. ID	OJ000209_26.0229.C8
Gene No.	20885	Strand	+
Start	3083	End	11138
Name	OJ000209_26.0229.C8.o1.gp	Method	AAT/GAP
Start	4594	End	8128

GI	2736_1.R1084	Score	3164
Exons	4594..5056, 5140..5327, 5910..6151, 6724..6866, 7195..7371, 7659..8128		
GI Descrip.	'2980777/emb|CAA18204.1| 5.0e-50 (AL022198) putative protein [Arabidopsis thaliana]'		

Seq. No.	9814	Seq. ID	OJ000209_26.0229.C8
Gene No.	20886	Strand	-
Start	1	End	2363
Name	OJ000209_26.0229.C8.o1.np	Method	AAT/NAP
Start	1	End	1507
GI	5690095	Score	499
Exons	1..1507		
GI Descrip.	(AJ238507) transposase related protein [Zea mays]		

Seq. No.	9814	Seq. ID	OJ000209_26.0229.C8
Gene No.	20886	Strand	-
Start	1	End	2363
Name	OJ000209_26.0229.C8.o1.gs	Method	GENSCAN
Start	95	End	2363
GI	none	Score	.44
Exons	95..382, 430..747, 960..1607, 1644..1917, 2056..2363		

Seq. No.	9814	Seq. ID	OJ000209_26.0229.C8
Gene No.	20887	Strand	-
Start	10244	End	11259
Name	OJ000209_26.0229.C8.o2.tm	Method	TBLASTX:Maize
Start	640	End	1190
GI	none	Score	136
Exons	640..684, 762..1031, 781..1005, 1044..1190, 1069..1140		

Seq. No.	9814	Seq. ID	OJ000209_26.0229.C8
Gene No.	20887	Strand	-
Start	10244	End	11259
Name	OJ000209_26.0229.C8.o4.tm	Method	TBLASTX:Maize
Start	4712	End	4984
GI	none	Score	68
Exons	4712..4828, 4730..4828, 4825..4977, 4826..4984, 4826..4978		

Seq. No.	9814	Seq. ID	OJ000209_26.0229.C8
Gene No.	20887	Strand	-
Start	10244	End	11259
Name	OJ000209_26.0229.C8.o2.ts	Method	TBLASTX:Soybean
Start	4924	End	5214
GI	none	Score	165
Exons	4924..5058, 4925..5059, 5143..5214		

Seq. No.	9814	Seq. ID	OJ000209_26.0229.C8
Gene No.	20887	Strand	-
Start	10244	End	11259
Name	OJ000209_26.0229.C8.o1.tm	Method	TBLASTX:Maize
Start	4984	End	6868
GI	none	Score	41
Exons	4984..5025, 4986..5006, 4987..5025, 5010..5057, 5012..5059, 5012..5059, 5132..5335, 5134..5349, 5143..5349, 5232..5351, 5232..5351, 5895..6158, 5907..6146, 5908..6153, 6697..6867, 6708..6866, 6718..6867, 6719..6868		

Seq. No.	9814	Seq. ID	OJ000209_26.0229.C8
Gene No.	20887	Strand	-
Start	10244	End	11259
Name	OJ000209_26.0229.C8.o1.ts	Method	TBLASTX:Soybean
Start	5256	End	7862
GI	none	Score	83
Exons	5256..5327, 5257..5349, 5903..5974, 5907..5990, 5908..5994, 5912..5995, 5992..6153, 6012..6158, 6708..6857, 6721..6855, 7180..7371, 7192..7362, 7194..7370, 7656..7862, 7656..7841, 7667..7861		

Seq. No.	9814	Seq. ID	OJ000209_26.0229.C8
Gene No.	20887	Strand	-
Start	10244	End	11259
Name	OJ000209_26.0229.C8.o1.tw	Method	TBLASTX:Wheat
Start	6780	End	7727
GI	none	Score	123
Exons	6780..6866, 6783..6842, 6784..6867, 6784..6867, 7192..7371, 7192..7371, 7194..7376, 7656..7727, 7656..7727		

Seq. No.	9814	Seq. ID	OJ000209_26.0229.C8
Gene No.	20887	Strand	-
Start	10244	End	11259
Name	OJ000209_26.0229.C8.o3.tm	Method	TBLASTX:Maize
Start	7192	End	7950
GI	none	Score	205
Exons	7192..7338, 7192..7338, 7319..7372, 7319..7372, 7656..7847, 7661..7840, 7888..7950, 7889..7948		

Seq. No.	9814	Seq. ID	OJ000209_26.0229.C8
Gene No.	20887	Strand	-
Start	10244	End	11259
Name	OJ000209_26.0229.C8.o2.gp	Method	AAT/GAP
Start	10244	End	11259
GI	none	Score	1955
Exons	10244..11259		

Seq. No.	9814	Seq. ID	OJ000209_26.0229.C8
Gene No.	20887	Strand	-
Start	10244	End	11259
Name	OJ000209_26.0229.C8.o4.np	Method	AAT/NAP
Start	10590	End	11057
GI	710626	Score	174
Exons	10590..11057		
GI Descrip.	(D30719) ERD15 protein [Arabidopsis thaliana] gi|3241941|gb|AAC23728.1| (AC004625) dehydration-induced protein (ERD15) [Arabidopsis thaliana]		

Seq. No.	9814	Seq. ID	OJ000209_26.0229.C8
Gene No.	20887	Strand	-
Start	10244	End	11259
Name	OJ000209_26.0229.C8.o2.tw	Method	TBLASTX:Wheat
Start	10872	End	11052
GI	none	Score	140
Exons	10872..11051, 10903..11052		

Seq. No.	9815	Seq. ID	OJ000209_26.0229.C9
Gene No.	20888	Strand	-
Start	481	End	3899
Name	OJ000209_26.0229.C9.o1.gs	Method	GENSCAN
Start	481	End	3899
GI	none	Score	.41
Exons	481..605, 2622..2648, 3539..3899		

Seq. No.	9815	Seq. ID	OJ000209_26.0229.C9
Gene No.	20889	Strand	-
Start	4403	End	7641
Name	OJ000209_26.0229.C9.o1.np	Method	AAT/NAP
Start	4403	End	7641
GI	5852093	Score	94
Exons	4403..4433, 4536..4627, 6150..6256, 7612..7641		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	9815	Seq. ID	OJ000209_26.0229.C9
Gene No.	20889	Strand	-
Start	4403	End	7641
Name	OJ000209_26.0229.C9.o2.np	Method	AAT/NAP
Start	7099	End	7213
GI	4678270	Score	96
Exons	7099..7213		
GI Descrip.	(AL049660) protein kinase-like protein [Arabidopsis thaliana]		

Seq. No.	9815	Seq. ID	OJ000209_26.0229.C9
Gene No.	20890	Strand	-
Start	10359	End	10507
Name	OJ000209_26.0229.C9.o1.tm	Method	TBLASTX:Maize
Start	7158	End	7429
GI	none	Score	250
Exons	7158..7337, 7159..7341, 7160..7429		

Seq. No.	9815	Seq. ID	OJ000209_26.0229.C9
Gene No.	20890	Strand	-
Start	10359	End	10507
Name	OJ000209_26.0229.C9.o1.gp	Method	AAT/GAP
Start	10359	End	10507
GI	2799237	Score	263
Exons	10359..10507		

Seq. No.	9816	Seq. ID	OJ000209_26.0229.C10
Gene No.	20891	Strand	+
Start	141	End	705
Name	OJ000209_26.0229.C10.o1.tm	Method	TBLASTX:Maize
Start	71	End	705
GI	none	Score	80
Exons	71..166, 99..170, 102..167, 245..292, 246..296, 250..327, 258..311, 378..452, 379..453, 537..596, 538..606, 658..705		

Seq. No.	9816	Seq. ID	OJ000209_26.0229.C10
Gene No.	20891	Strand	+
Start	141	End	705
Name	OJ000209_26.0229.C10.o1.gs	Method	GENSCAN
Start	141	End	454
GI	none	Score	.94

Exons	141..149, 247..293, 381..454		
Seq. No.	9817	Seq. ID	OJ000209_26.0229.C11
Gene No.	20892	Strand	+
Start	279	End	3501
Name	OJ000209_26.0229.C11.o2.ts	Method	TBLASTX:Soybean
Start	276	End	431
GI	none	Score	206
Exons	276..431, 281..427		
Seq. No.	9817	Seq. ID	OJ000209_26.0229.C11
Gene No.	20892	Strand	+
Start	279	End	3501
Name	OJ000209_26.0229.C11.o1.gs	Method	GENSCAN
Start	279	End	3116
GI	none	Score	.78
Exons	279..470, 554..621, 830..884, 981..1105, 1187..1250, 1738..1947, 2489..2731, 3027..3116		
Seq. No.	9817	Seq. ID	OJ000209_26.0229.C11
Gene No.	20892	Strand	+
Start	279	End	3501
Name	OJ000209_26.0229.C11.o1.np	Method	AAT/NAP
Start	312	End	3501
GI	4733988	Score	1417
Exons	312..470, 554..621, 792..884, 981..1105, 1187..1250, 1738..1947, 2489..2731, 2832..2942, 3027..3116, 3471..3501		
GI Descrip.	(AC007209) putative chromodomain-helicase-DNA-binding protein [Arabidopsis thaliana]		
Seq. No.	9817	Seq. ID	OJ000209_26.0229.C11
Gene No.	20892	Strand	+
Start	279	End	3501
Name	OJ000209_26.0229.C11.o1.tm	Method	TBLASTX:Maize
Start	330	End	2957
GI	none	Score	119
Exons	330..473, 557..622, 992..1108, 993..1106, 1744..1815, 1852..1950, 2486..2731, 2554..2730, 2832..2957, 2844..2933		
Seq. No.	9817	Seq. ID	OJ000209_26.0229.C11
Gene No.	20892	Strand	+
Start	279	End	3501
Name	OJ000209_26.0229.C11.o1.tc	Method	TBLASTX:Cress
Start	2486	End	2957
GI	none	Score	275
Exons	2486..2731, 2554..2730, 2832..2957		
Seq. No.	9817	Seq. ID	OJ000209_26.0229.C11
Gene No.	20892	Strand	+
Start	279	End	3501
Name	OJ000209_26.0229.C11.o1.ts	Method	TBLASTX:Soybean
Start	2540	End	3116
GI	none	Score	323
Exons	2540..2731, 2540..2725, 2542..2736, 2542..2730, 2544..2732, 2829..2945, 2830..2943, 2832..2948, 3023..3097, 3027..3116, 3027..3113		

Seq. No.	9818	Seq. ID	OJ000209_26.0229.C12
Gene No.	20893	Strand	+
Start	124	End	353
Name	OJ000209_26.0229.C12.o1.gs	Method	GENSCAN
Start	124	End	353
GI	none	Score	.55
Exons	124..353		

Seq. No.	9819	Seq. ID	OJ000209_26.0229.C13
Gene No.	20894	Strand	-
Start	216	End	671
Name	OJ000209_26.0229.C13.o1.gs	Method	GENSCAN
Start	216	End	619
GI	none	Score	.89
Exons	216..619		

Seq. No.	9819	Seq. ID	OJ000209_26.0229.C13
Gene No.	20894	Strand	-
Start	216	End	671
Name	OJ000209_26.0229.C13.o1.tm	Method	TBLASTX:Maize
Start	259	End	671
GI	none	Score	37
Exons	259..336, 260..337, 292..426, 423..611, 424..621, 428..598, 591..671	302..427, 302..427, 356..583, 433..609, 571..669, 572..670,	

Seq. No.	9820	Seq. ID	OJ000209_26.0229.C14
Gene No.	20895	Strand	-
Start	154	End	1519
Name	OJ000209_26.0229.C14.o1.tm	Method	TBLASTX:Maize
Start	1	End	1416
GI	none	Score	81
Exons	1..33, 143..199, 151..225, 710..817, 711..818, 712..819, 712..816, 1135..1212, 1135..1215, 1136..1216, 1140..1217, 1295..1387, 1296..1388, 1297..1416		

Seq. No.	9820	Seq. ID	OJ000209_26.0229.C14
Gene No.	20895	Strand	-
Start	154	End	1519
Name	OJ000209_26.0229.C14.o1.gs	Method	GENSCAN
Start	154	End	1385
GI	none	Score	.84
Exons	154..196, 710..816, 1140..1212, 1298..1385		

Seq. No.	9820	Seq. ID	OJ000209_26.0229.C14
Gene No.	20895	Strand	-
Start	154	End	1519
Name	OJ000209_26.0229.C14.o1.np	Method	AAT/NAP
Start	710	End	1519
GI	3337357	Score	203
Exons	710..816, 1140..1212, 1298..1384, 1484..1519		
GI Descrip.	(AC004481) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	9821	Seq. ID	OJ000209_26.0229.C15
Gene No.	20896	Strand	-
Start	1	End	1259
Name	OJ000209_26.0229.C15.o1.np	Method	AAT/NAP

Start	1	End	1259
GI	6006382	Score	100
Exons	1..36, 1083..1259		
GI Descrip.	(AP000559) Similar to magnesium-protoporphyrin IX methyltransferase (AL035523) [Oryza sativa]		

Seq. No.	9822	Seq. ID	OJ000209_26.0229.C16
Gene No.	20897	Strand	+
Start	1814	End	3253
Name	OJ000209_26.0229.C16.o1.np	Method	AAT/NAP
Start	1814	End	3253
GI	6226510	Score	712
Exons	1814..3253		
GI Descrip.	ZEATIN O-GLUCOSYLTRANSFERASE (ZEATIN O-BETA-D-GLUCOSYLTRANSFERASE) gi|4140691 (AF101972) zeatin O-glucosyltransferase [Phaseolus lunatus]		

Seq. No.	9822	Seq. ID	OJ000209_26.0229.C16
Gene No.	20898	Strand	+
Start	4327	End	7651
Name	OJ000209_26.0229.C16.o2.np	Method	AAT/NAP
Start	4327	End	7651
GI	4455285	Score	1208
Exons	4327..4669, 4767..5021, 5183..5264, 5679..5794, 5878..5932, 6016..6127, 6700..6869, 7376..7651		
GI Descrip.	(AL035527) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	9822	Seq. ID	OJ000209_26.0229.C16
Gene No.	20899	Strand	+
Start	10474	End	12524
Name	OJ000209_26.0229.C16.o2.gs	Method	GENSCAN
Start	10474	End	12524
GI	none	Score	.75
Exons	10474..11128, 11259..11320, 12131..12230, 12321..12524		

Seq. No.	9822	Seq. ID	OJ000209_26.0229.C16
Gene No.	20900	Strand	-
Start	2793	End	3244
Name	OJ000209_26.0229.C16.o6.tm	Method	TBLASTX:Maize
Start	1859	End	2188
GI	none	Score	142
Exons	1859..1996, 1877..1996, 2102..2188		

Seq. No.	9822	Seq. ID	OJ000209_26.0229.C16
Gene No.	20900	Strand	-
Start	2793	End	3244
Name	OJ000209_26.0229.C16.o1.tm	Method	TBLASTX:Maize
Start	2189	End	2677
GI	none	Score	349
Exons	2189..2578, 2191..2604, 2545..2670, 2594..2677		

Seq. No.	9822	Seq. ID	OJ000209_26.0229.C16
Gene No.	20900	Strand	-
Start	2793	End	3244
Name	OJ000209_26.0229.C16.o1.tc	Method	TBLASTX:Cress
Start	2569	End	3052
GI	none	Score	156

Exons	2569..2739, 2570..2749, 2858..3052, 2878..2991		
Seq. No.	9822	Seq. ID	OJ000209_26.0229.C16
Gene No.	20900	Strand	-
Start	2793	End	3244
Name	OJ000209_26.0229.C16.o1.ts	Method	TBLASTX:Soybean
Start	2603	End	3028
GI	none	Score	168
Exons	2603..2749, 2605..2724, 2858..3028, 2875..2991		
Seq. No.	9822	Seq. ID	OJ000209_26.0229.C16
Gene No.	20900	Strand	-
Start	2793	End	3244
Name	OJ000209_26.0229.C16.o5.tm	Method	TBLASTX:Maize
Start	2683	End	3085
GI	none	Score	67
Exons	2683..2733, 2684..2749, 2846..3007, 2855..3085, 2875..3057		
Seq. No.	9822	Seq. ID	OJ000209_26.0229.C16
Gene No.	20900	Strand	-
Start	2793	End	3244
Name	OJ000209_26.0229.C16.o1.gp	Method	AAT/GAP
Start	2793	End	3091
GI	3766936	Score	587
Exons	2793..3091		
GI Descrip.	4140691 8.0e-22 (AF101972) zeatin O-glucosyltransferase [Phaseolus lunatus]		
Seq. No.	9822	Seq. ID	OJ000209_26.0229.C16
Gene No.	20900	Strand	-
Start	2793	End	3244
Name	OJ000209_26.0229.C16.o1.tw	Method	TBLASTX:Wheat
Start	2858	End	3244
GI	none	Score	368
Exons	2858..3085, 2864..2896, 2869..3069, 2951..3103, 3179..3244		
Seq. No.	9822	Seq. ID	OJ000209_26.0229.C16
Gene No.	20901	Strand	
Start	4915	End	5267
Name	OJ000209_26.0229.C16.o7.tm	Method	TBLASTX:Maize
Start	4915	End	5267
GI	none	Score	187
Exons	4915..5022, 4915..5022, 4917..5024, 4946..5023, 5181..5267, 5181..5264		
Seq. No.	9822	Seq. ID	OJ000209_26.0229.C16
Gene No.	20902	Strand	
Start	5681	End	6126
Name	OJ000209_26.0229.C16.o3.tm	Method	TBLASTX:Maize
Start	5681	End	6101
GI	none	Score	180
Exons	5681..5788, 5682..5798, 5692..5796, 5858..5932, 5869..5934, 5872..5937, 5876..5956, 6013..6099, 6015..6101		
Seq. No.	9822	Seq. ID	OJ000209_26.0229.C16
Gene No.	20902	Strand	
Start	5681	End	6126

Name	OJ000209_26.0229.C16.o2.tc	Method	TBLASTX:Cress
Start	5684	End	6126
GI	none	Score	113
Exons	5684..5794, 5685..5789, 5866..5937, 5873..5932, 6013..6126, 6019..6090		

Seq. No.	9822	Seq. ID	OJ000209_26.0229.C16
Gene No.	20903	Strand	
Start	6699	End	7636
Name	OJ000209_26.0229.C16.o2.tm	Method	TBLASTX:Maize
Start	6699	End	7636
GI	none	Score	269
Exons	6699..6884, 6699..6872, 6712..6879, 7373..7636, 7373..7636		

Seq. No.	9822	Seq. ID	OJ000209_26.0229.C16
Gene No.	20904	Strand	
Start	12211	End	12464
Name	OJ000209_26.0229.C16.o4.tm	Method	TBLASTX:Maize
Start	12211	End	12464
GI	none	Score	63
Exons	12211..12303, 12221..12334, 12223..12333, 12320..12463, 12324..12464		

Seq. No.	9823	Seq. ID	OJ000209_26.0229.C18
Gene No.	20905	Strand	+
Start	1	End	2174
Name	OJ000209_26.0229.C18.o1.np	Method	AAT/NAP
Start	1	End	341
GI	6679138	Score	95
Exons	1..97, 149..341		
GI Descrip.	nuclear receptor-binding SET-domain protein 1 gi|3329465 (AF064553) NSD1 protein [Mus musculus]		

Seq. No.	9823	Seq. ID	OJ000209_26.0229.C18
Gene No.	20905	Strand	+
Start	1	End	2174
Name	OJ000209_26.0229.C18.o1.gs	Method	GENSCAN
Start	40	End	2174
GI	none	Score	.59
Exons	40..425, 1288..2174		

Seq. No.	9823	Seq. ID	OJ000209_26.0229.C18
Gene No.	20905	Strand	+
Start	1	End	2174
Name	OJ000209_26.0229.C18.o1.ts	Method	TBLASTX:Soybean
Start	157	End	431
GI	none	Score	232
Exons	157..315, 167..247, 183..431, 355..426		

Seq. No.	9824	Seq. ID	OJ000209_22.0228.C1
Gene No.	20906	Strand	+
Start	1	End	189
Name	OJ000209_22.0228.C1.o1.gp	Method	AAT/GAP
Start	1	End	189
GI	none	Score	237
Exons	1..189		

Seq. No.	9824	Seq. ID	OJ000209_22.0228.C1
Gene No.	20907	Strand	+
Start	1290	End	1572
Name	OJ000209_22.0228.C1.o2.gp	Method	AAT/GAP
Start	1290	End	1572
GI	LIB3431-029-P1-N1-C12	Score	562
Exons	1290..1572		
GI Descrip.	'4996642/dbj|BAA78573.1| 1.0e-108 (AB028130) Dof zinc finger protein [Oryza sativa]'		

Seq. No.	9824	Seq. ID	OJ000209_22.0228.C1
Gene No.	20908	Strand	+
Start	5535	End	5848
Name	OJ000209_22.0228.C1.o3.gp	Method	AAT/GAP
Start	5535	End	5848
GI	none	Score	438
Exons	5535..5848		

Seq. No.	9824	Seq. ID	OJ000209_22.0228.C1
Gene No.	20909	Strand	-
Start	1525	End	3614
Name	OJ000209_22.0228.C1.o1.np	Method	AAT/NAP
Start	832	End	3581
GI	6729489	Score	760
Exons	832..882, 1583..2254, 2285..3581		
GI Descrip.	(AL132966) receptor lectin kinase-like protein [Arabidopsis thaliana]		

Seq. No.	9824	Seq. ID	OJ000209_22.0228.C1
Gene No.	20909	Strand	-
Start	1525	End	3614
Name	OJ000209_22.0228.C1.o1.gs	Method	GENSCAN
Start	1525	End	3614
GI	none	Score	.68
Exons	1525..2070, 2085..3614		

Seq. No.	9824	Seq. ID	OJ000209_22.0228.C1
Gene No.	20909	Strand	-
Start	1525	End	3614
Name	OJ000209_22.0228.C1.o2.np	Method	AAT/NAP
Start	2784	End	3539
GI	3122328	Score	283
Exons	2784..3539		
GI Descrip.	BASIC AGGLUTININ (WBA I) gi|6730577|pdb|1WBF|A Chain A, Winged Bean Lectin, Saccharide Free Form gi|6730578|pdb|1WBF|B Chain B, Winged Bean Lectin, Saccharide Free Form gi|1531637 (U60765) basic agglutinin [Psophocarpus tetragonolobus]		

Seq. No.	9824	Seq. ID	OJ000209_22.0228.C1
Gene No.	20910	Strand	-
Start	6091	End	8555
Name	OJ000209_22.0228.C1.o1.tc	Method	TBLASTX:Cress
Start	1708	End	2936
GI	none	Score	119
Exons	1708..2061, 1730..2062, 2070..2252, 2074..2232, 2298..2360, 2302..2358, 2370..2633, 2431..2619, 2814..2936		

Seq. No.	9824	Seq. ID	OJ000209_22.0228.C1
Gene No.	20910	Strand	-
Start	6091	End	8555
Name	OJ000209_22.0228.C1.o2.tm	Method	TBLASTX:Maize
Start	1708	End	2366
GI	none	Score	66
Exons	1708..1896, 1748..1894, 1831..1896, 1918..2061, 1937..2059, 2076..2252, 2080..2250, 2298..2366, 2311..2358		

Seq. No.	9824	Seq. ID	OJ000209_22.0228.C1
Gene No.	20910	Strand	-
Start	6091	End	8555
Name	OJ000209_22.0228.C1.o1.ts	Method	TBLASTX:Soybean
Start	1828	End	2622
GI	none	Score	124
Exons	1828..2061, 2082..2252, 2370..2612, 2503..2622		

Seq. No.	9824	Seq. ID	OJ000209_22.0228.C1
Gene No.	20910	Strand	-
Start	6091	End	8555
Name	OJ000209_22.0228.C1.o1.tw	Method	TBLASTX:Wheat
Start	2097	End	2552
GI	none	Score	151
Exons	2097..2255, 2298..2366, 2364..2552		

Seq. No.	9824	Seq. ID	OJ000209_22.0228.C1
Gene No.	20910	Strand	-
Start	6091	End	8555
Name	OJ000209_22.0228.C1.o3.tm	Method	TBLASTX:Maize
Start	2370	End	2606
GI	none	Score	41
Exons	2370..2486, 2440..2493, 2494..2601, 2505..2606, 2505..2606		

Seq. No.	9824	Seq. ID	OJ000209_22.0228.C1
Gene No.	20910	Strand	-
Start	6091	End	8555
Name	OJ000209_22.0228.C1.o4.tm	Method	TBLASTX:Maize
Start	3354	End	3503
GI	none	Score	165
Exons	3354..3503, 3355..3501		

Seq. No.	9824	Seq. ID	OJ000209_22.0228.C1
Gene No.	20910	Strand	-
Start	6091	End	8555
Name	OJ000209_22.0228.C1.o1.tm	Method	TBLASTX:Maize
Start	6072	End	8407
GI	none	Score	242
Exons	6072..6293, 6086..6334, 6088..6348, 6089..6292, 6461..6598, 6468..6602, 6862..6948, 6864..6950, 6869..6961, 7007..7087, 7020..7064, 7025..7090, 7178..7315, 7182..7316, 7184..7330, 7191..7316, 8021..8248, 8022..8249, 8037..8252, 8038..8253, 8283..8405, 8345..8407		

Seq. No.	9824	Seq. ID	OJ000209_22.0228.C1
Gene No.	20910	Strand	-
Start	6091	End	8555
Name	OJ000209_22.0228.C1.o3.gs	Method	GENSCAN

Start	6091	End	8247
GI	none	Score	.91
Exons	6091..6345, 6473..6595, 6862..6948, 7025..7076, 7183..7307, 8039..8247		

Seq. No.	9824	Seq. ID	OJ000209_22.0228.C1
Gene No.	20910	Strand	-
Start	6091	End	8555
Name	OJ000209_22.0228.C1.o3.np	Method	AAT/NAP
Start	6100	End	8183
GI	6706417	Score	147
Exons	6100..6345, 8132..8183		
GI Descrip.	(AL133248) putative protein [Arabidopsis thaliana]		

Seq. No.	9824	Seq. ID	OJ000209_22.0228.C1
Gene No.	20910	Strand	-
Start	6091	End	8555
Name	OJ000209_22.0228.C1.o4.np	Method	AAT/NAP
Start	6103	End	8555
GI	2335108	Score	672
Exons	6103..6334, 6462..6595, 6862..6948, 7025..7076, 7183..7317, 8049..8247, 8356..8555		
GI Descrip.	(AC002339) putative zinc protease [Arabidopsis thaliana]		

Seq. No.	9824	Seq. ID	OJ000209_22.0228.C1
Gene No.	20910	Strand	-
Start	6091	End	8555
Name	OJ000209_22.0228.C1.o2.tc	Method	TBLASTX:Cress
Start	8159	End	8498
GI	none	Score	41
Exons	8159..8254, 8195..8248, 8345..8497, 8346..8498		

Seq. No.	9825	Seq. ID	OJ000209_22.0228.C2
Gene No.	20911	Strand	+
Start	1	End	1104
Name	OJ000209_22.0228.C2.o1.np	Method	AAT/NAP
Start	1	End	1104
GI	5702196	Score	1126
Exons	1..1104		
GI Descrip.	(AF107293) rust resistance protein [Zea mays]		

Seq. No.	9825	Seq. ID	OJ000209_22.0228.C2
Gene No.	20911	Strand	+
Start	1	End	1104
Name	OJ000209_22.0228.C2.o1.gs	Method	GENSCAN
Start	20	End	1016
GI	none	Score	.88
Exons	20..1016		

Seq. No.	9825	Seq. ID	OJ000209_22.0228.C2
Gene No.	20911	Strand	+
Start	1	End	1104
Name	OJ000209_22.0228.C2.o2.tm	Method	TBLASTX:Maize
Start	29	End	295
GI	none	Score	57
Exons	29..97, 98..289, 105..290, 107..295, 124..294		

Seq. No.	9825	Seq. ID	OJ000209_22.0228.C2
Gene No.	20911	Strand	+
Start	1	End	1104
Name	OJ000209_22.0228.C2.o1.tm	Method	TBLASTX:Maize
Start	668	End	1099
GI	none	Score	433
Exons	668..1099, 669..1061, 725..1063, 850..1098		

Seq. No.	9826	Seq. ID	OJ000209_22.0228.C3
Gene No.	20912	Strand	+
Start	4315	End	8467
Name	OJ000209_22.0228.C3.o2.gs	Method	GENSCAN
Start	4315	End	8467
GI	none	Score	.76
Exons	4315..4379, 5848..6191, 6311..6566, 6855..6945, 7125..7278, 7451..7639, 8310..8467		

Seq. No.	9826	Seq. ID	OJ000209_22.0228.C3
Gene No.	20913	Strand	+
Start	9983	End	15012
Name	OJ000209_22.0228.C3.o3.gs	Method	GENSCAN
Start	9983	End	10767
GI	none	Score	.72
Exons	9983..10538, 10607..10767		

Seq. No.	9826	Seq. ID	OJ000209_22.0228.C3
Gene No.	20913	Strand	+
Start	9983	End	15012
Name	OJ000209_22.0228.C3.o2.gp	Method	AAT/GAP
Start	10592	End	12409
GI	LIB3431-045-P1-N1-A10	Score	821
Exons	10592..10935, 12300..12409		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	9826	Seq. ID	OJ000209_22.0228.C3
Gene No.	20913	Strand	+
Start	9983	End	15012
Name	OJ000209_22.0228.C3.o4.gs	Method	GENSCAN
Start	10994	End	15012
GI	none	Score	.55
Exons	10994..10996, 11180..11338, 11405..11482, 12676..12780, 13352..13414, 13560..13820, 14647..14836, 14984..15012		

Seq. No.	9826	Seq. ID	OJ000209_22.0228.C3
Gene No.	20914	Strand	-
Start	1	End	3761
Name	OJ000209_22.0228.C3.o1.np	Method	AAT/NAP
Start	1	End	3755
GI	2443881	Score	1047
Exons	1..93, 195..400, 467..610, 688..762, 1168..1238, 1506..1835, 2802..2931, 2989..3137, 3731..3755		
GI Descrip.	(AC002294) contains beta-transducin motif [Arabidopsis thaliana]		

Seq. No.	9826	Seq. ID	OJ000209_22.0228.C3
Gene No.	20914	Strand	-
Start	1	End	3761

Name	OJ000209_22.0228.C3.o1.gs	Method	GENSCAN
Start	41	End	3761
GI	none	Score	.6
Exons	41..112, 229..400, 688..762, 1168..1238, 1506..1748, 2802..3218, 3611..3761		

Seq. No.	9826	Seq. ID	OJ000209_22.0228.C3
Gene No.	20915	Strand	-
Start	6567	End	18539
Name	OJ000209_22.0228.C3.o1.tm	Method	TBLASTX:Maize
Start	1	End	825
GI	none	Score	99
Exons	1..105, 3..113, 11..109, 231..401, 233..406, 446..610, 462..611, 469..612, 470..613, 685..825, 686..790		

Seq. No.	9826	Seq. ID	OJ000209_22.0228.C3
Gene No.	20915	Strand	-
Start	6567	End	18539
Name	OJ000209_22.0228.C3.o1.tc	Method	TBLASTX:Cress
Start	467	End	739
GI	none	Score	101
Exons	467..610, 474..605, 685..738, 692..739		

Seq. No.	9826	Seq. ID	OJ000209_22.0228.C3
Gene No.	20915	Strand	-
Start	6567	End	18539
Name	OJ000209_22.0228.C3.o2.tm	Method	TBLASTX:Maize
Start	1159	End	2925
GI	none	Score	74
Exons	1159..1236, 1168..1239, 1169..1240, 1501..1815, 1505..1795, 1579..1833, 2803..2925, 2812..2907		

Seq. No.	9826	Seq. ID	OJ000209_22.0228.C3
Gene No.	20915	Strand	-
Start	6567	End	18539
Name	OJ000209_22.0228.C3.o2.tc	Method	TBLASTX:Cress
Start	1168	End	2925
GI	none	Score	83
Exons	1168..1239, 1169..1240, 1501..1632, 1505..1633, 1528..1758, 1615..1836, 2812..2925		

Seq. No.	9826	Seq. ID	OJ000209_22.0228.C3
Gene No.	20915	Strand	-
Start	6567	End	18539
Name	OJ000209_22.0228.C3.o1.ts	Method	TBLASTX:Soybean
Start	1501	End	2916
GI	none	Score	67
Exons	1501..1833, 1501..1761, 1504..1818, 1568..1819, 1597..1833, 1663..1824, 2797..2916, 2797..2916		

Seq. No.	9826	Seq. ID	OJ000209_22.0228.C3
Gene No.	20915	Strand	-
Start	6567	End	18539
Name	OJ000209_22.0228.C3.o3.tm	Method	TBLASTX:Maize
Start	2981	End	3873
GI	none	Score	201
Exons	2981..3130, 2988..3131, 3002..3130, 3007..3144, 3730..3768,		

3796..3873

Seq. No.	9826	Seq. ID	OJ000209_22.0228.C3
Gene No.	20915	Strand	-
Start	6567	End	18539
Name	OJ000209_22.0228.C3.o2.np	Method	AAT/NAP
Start	6567	End	18484
GI	5732634	Score	243
Exons	6567..6739, 9117..9210, 10400..10496, 14748..14899, 17956..18484		
GI Descrip.	(AF121009) hypothetical protein Jv0534 [Mycobacterium tuberculosis H37Rv]		

Seq. No.	9826	Seq. ID	OJ000209_22.0228.C3
Gene No.	20915	Strand	-
Start	6567	End	18539
Name	OJ000209_22.0228.C3.o1.gp	Method	AAT/GAP
Start	9380	End	9544
GI	7406_1.R1084	Score	225
Exons	9380..9544		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	9826	Seq. ID	OJ000209_22.0228.C3
Gene No.	20915	Strand	-
Start	6567	End	18539
Name	OJ000209_22.0228.C3.o5.gs	Method	GENSCAN
Start	15330	End	18539
GI	none	Score	.93
Exons	15330..15515, 15593..15626, 16126..16377, 16461..17301, 17589..17608, 17912..18539		

Seq. No.	9827	Seq. ID	OJ000209_22.0228.C4
Gene No.	20916	Strand	-
Start	81	End	3191
Name	OJ000209_22.0228.C4.o1.np	Method	AAT/NAP
Start	81	End	3191
GI	4680203	Score	479
Exons	81..1040, 3165..3191		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	9827	Seq. ID	OJ000209_22.0228.C4
Gene No.	20916	Strand	-
Start	81	End	3191
Name	OJ000209_22.0228.C4.o1.tw	Method	TBLASTX:Wheat
Start	221	End	1317
GI	none	Score	71
Exons	221..289, 296..400, 303..395, 413..517, 431..487, 506..661, 522..668, 674..928, 917..1183, 943..1317		

Seq. No.	9827	Seq. ID	OJ000209_22.0228.C4
Gene No.	20916	Strand	-
Start	81	End	3191
Name	OJ000209_22.0228.C4.o2.tm	Method	TBLASTX:Maize
Start	525	End	820
GI	none	Score	69
Exons	525..638, 527..646, 650..820		

Seq. No.	9827	Seq. ID	OJ000209_22.0228.C4
Gene No.	20916	Strand	-
Start	81	End	3191
Name	OJ000209_22.0228.C4.o1.tc	Method	TBLASTX:Cress
Start	716	End	1138
GI	none	Score	94
Exons	716..928, 917..1138, 943..1128		

Seq. No.	9827	Seq. ID	OJ000209_22.0228.C4
Gene No.	20916	Strand	-
Start	81	End	3191
Name	OJ000209_22.0228.C4.o1.tm	Method	TBLASTX:Maize
Start	1069	End	1312
GI	none	Score	207
Exons	1069..1311, 1073..1312		

Seq. No.	9827	Seq. ID	OJ000209_22.0228.C4
Gene No.	20916	Strand	-
Start	81	End	3191
Name	OJ000209_22.0228.C4.o2.tw	Method	TBLASTX:Wheat
Start	1322	End	1768
GI	none	Score	56
Exons	1322..1429, 1323..1427, 1458..1712, 1478..1768		

Seq. No.	9827	Seq. ID	OJ000209_22.0228.C4
Gene No.	20916	Strand	-
Start	81	End	3191
Name	OJ000209_22.0228.C4.o1.ts	Method	TBLASTX:Soybean
Start	1473	End	1756
GI	none	Score	108
Exons	1473..1733, 1478..1756		

Seq. No.	9828	Seq. ID	OJ000209_22.0228.C5
Gene No.	20917	Strand	+
Start	1976	End	2293
Name	OJ000209_22.0228.C5.o1.gp	Method	AAT/GAP
Start	1976	End	2293
GI	2442658	Score	545
Exons	1976..2293		

Seq. No.	9828	Seq. ID	OJ000209_22.0228.C5
Gene No.	20918	Strand	+
Start	2603	End	3176
Name	OJ000209_22.0228.C5.o2.gp	Method	AAT/GAP
Start	2603	End	3176
GI	3762949	Score	1034
Exons	2603..3176		

Seq. No.	9828	Seq. ID	OJ000209_22.0228.C5
Gene No.	20919	Strand	+
Start	6942	End	7796
Name	OJ000209_22.0228.C5.o3.gs	Method	GENSCAN
Start	6942	End	7796
GI	none	Score	.75
Exons	6942..7796		

Seq. No.	9828	Seq. ID	OJ000209_22.0228.C5

Gene No.	20920	Strand	+
Start	13245	End	15406
Name	OJ000209_22.0228.C5.o3.np	Method	AAT/NAP
Start	13245	End	15406
GI	4559351	Score	125
Exons	13245..13462, 14685..14949, 15063..15406		
GI Descrip.	(AC006585) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	9828	Seq. ID	OJ000209_22.0228.C5
Gene No.	20921	Strand	-
Start	3552	End	5501
Name	OJ000209_22.0228.C5.o2.gs	Method	GENSCAN
Start	3552	End	5501
GI	none	Score	.55
Exons	3552..3656, 3727..3858, 3864..4077, 4558..4693, 4855..4939, 5121..5501		

Seq. No.	9828	Seq. ID	OJ000209_22.0228.C5
Gene No.	20922	Strand	-
Start	6782	End	12951
Name	OJ000209_22.0228.C5.o1.np	Method	AAT/NAP
Start	6782	End	11079
GI	6907089	Score	4488
Exons	6782..6801, 8053..9722, 9818..11079		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	9828	Seq. ID	OJ000209_22.0228.C5
Gene No.	20922	Strand	-
Start	6782	End	12951
Name	OJ000209_22.0228.C5.o1.tm	Method	TBLASTX:Maize
Start	7620	End	8057
GI	none	Score	307
Exons	7620..8054, 7625..7747, 7799..8023, 7845..8057		

Seq. No.	9828	Seq. ID	OJ000209_22.0228.C5
Gene No.	20922	Strand	-
Start	6782	End	12951
Name	OJ000209_22.0228.C5.o1.tw	Method	TBLASTX:Wheat
Start	7914	End	12951
GI	none	Score	155
Exons	7914..8057, 7917..8054, 12777..12845, 12778..12951, 12800..12940		

Seq. No.	9828	Seq. ID	OJ000209_22.0228.C5
Gene No.	20922	Strand	-
Start	6782	End	12951
Name	OJ000209_22.0228.C5.o4.gs	Method	GENSCAN
Start	7931	End	11079
GI	none	Score	.88
Exons	7931..9046, 9107..9722, 9818..11079		

Seq. No.	9828	Seq. ID	OJ000209_22.0228.C5
Gene No.	20922	Strand	-
Start	6782	End	12951
Name	OJ000209_22.0228.C5.o2.np	Method	AAT/NAP
Start	10278	End	12741
GI	5922623	Score	207
Exons	10278..10309, 11892..11967, 12135..12288, 12667..12741		

GI Descrip. (AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]

Seq. No.	9828	Seq. ID	OJ000209_22.0228.C5
Gene No.	20923	Strand	
Start	14693	End	14875
Name	OJ000209_22.0228.C5.o2.tw	Method	TBLASTX:Wheat
Start	14693	End	14875
GI	none	Score	92
Exons	14693..14746, 14707..14757, 14755..14874, 14756..14875		

Seq. No.	9829	Seq. ID	OJ000209_22.0228.C6
Gene No.	20924	Strand	+
Start	2106	End	3531
Name	OJ000209_22.0228.C6.o1.np	Method	AAT/NAP
Start	2106	End	3531
GI	5852084	Score	84
Exons	2106..2156, 3421..3531		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	9829	Seq. ID	OJ000209_22.0228.C6
Gene No.	20925	Strand	+
Start	5439	End	8745
Name	OJ000209_22.0228.C6.o2.gs	Method	GENSCAN
Start	5439	End	8745
GI	none	Score	.49
Exons	5439..5573, 6215..6283, 7656..7722, 8057..8185, 8363..8745		

Seq. No.	9829	Seq. ID	OJ000209_22.0228.C6
Gene No.	20926	Strand	-
Start	565	End	1804
Name	OJ000209_22.0228.C6.o1.gs	Method	GENSCAN
Start	565	End	1804
GI	none	Score	.74
Exons	565..735, 1087..1130, 1224..1319, 1361..1436, 1754..1804		

Seq. No.	9829	Seq. ID	OJ000209_22.0228.C6
Gene No.	20927	Strand	-
Start	1805	End	1865
Name	OJ000209_22.0228.C6.o1.gp	Method	AAT/GAP
Start	1805	End	1865
GI	2312838	Score	58
Exons	1805..1865		
GI Descrip.	1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	9829	Seq. ID	OJ000209_22.0228.C6
Gene No.	20928	Strand	
Start	8551	End	8769
Name	OJ000209_22.0228.C6.o1.tm	Method	TBLASTX:Maize
Start	8551	End	8769
GI	none	Score	134
Exons	8551..8679, 8558..8680, 8559..8681, 8667..8768, 8668..8769		

Seq. No.	9830	Seq. ID	OJ000209_22.0228.C7
Gene No.	20929	Strand	+

Start	1	End	4519
Name	OJ000209_22.0228.C7.o1.gp	Method	AAT/GAP
Start	1	End	1511
GI	40306_1.R1084	Score	551
Exons	1..78, 576..701, 1312..1386, 1478..1511		
GI Descrip.	'2443878 3.0e-16 (AC002294) Unknown protein [Arabidopsis thaliana]'		

Seq. No.	9830	Seq. ID	OJ000209_22.0228.C7
Gene No.	20929	Strand	+
Start	1	End	4519
Name	OJ000209_22.0228.C7.o1.np	Method	AAT/NAP
Start	1	End	4519
GI	2443881	Score	58
Exons	1..34, 616..701, 1914..2000, 4449..4519		
GI Descrip.	(AC002294) contains beta-transducin motif [Arabidopsis thaliana]		

Seq. No.	9830	Seq. ID	OJ000209_22.0228.C7
Gene No.	20929	Strand	+
Start	1	End	4519
Name	OJ000209_22.0228.C7.o1.gs	Method	GENSCAN
Start	517	End	3757
GI	none	Score	.7
Exons	517..701, 1312..1386, 1478..1590, 1880..1996, 3358..3479, 3563..3757		

Seq. No.	9830	Seq. ID	OJ000209_22.0228.C7
Gene No.	20929	Strand	+
Start	1	End	4519
Name	OJ000209_22.0228.C7.o2.gp	Method	AAT/GAP
Start	2216	End	2786
GI	2280902	Score	712
Exons	2216..2288, 2475..2786		

Seq. No.	9830	Seq. ID	OJ000209_22.0228.C7
Gene No.	20930	Strand	-
Start	3677	End	3765
Name	OJ000209_22.0228.C7.o1.tm	Method	TBLASTX:Maize
Start	1	End	1998
GI	none	Score	67
Exons	1..60, 526..699, 572..700, 575..700, 576..704, 579..704, 1279..1389, 1310..1387, 1311..1388, 1478..1591, 1478..1591, 1480..1599, 1871..1996, 1878..1997, 1878..1997, 1879..1998		

Seq. No.	9830	Seq. ID	OJ000209_22.0228.C7
Gene No.	20930	Strand	-
Start	3677	End	3765
Name	OJ000209_22.0228.C7.o1.tw	Method	TBLASTX:Wheat
Start	1	End	2286
GI	none	Score	84
Exons	1..78, 3..65, 7..72, 526..699, 527..700, 575..700, 576..704, 576..704, 1306..1389, 1309..1386, 1311..1388, 1472..1591, 1478..1612, 1480..1599, 1506..1601, 1871..1996, 1878..1997, 1878..1997, 1879..2007, 2214..2285, 2217..2285, 2242..2286		

Seq. No.	9830	Seq. ID	OJ000209_22.0228.C7
Gene No.	20930	Strand	-

Start	3677	End	3765
Name	OJ000209_22.0228.C7.o3.gp	Method	AAT/GAP
Start	3677	End	3765
GI	286756	Score	133
Exons	3677..3765		
GI Descrip.	2443878 3.0e-16 (AC002294) Unknown protein [Arabidopsis thaliana]		

Seq. No.	9831	Seq. ID	OJ000209_22.0228.C8
Gene No.	20931	Strand	+
Start	1	End	4214
Name	OJ000209_22.0228.C8.o1.gp	Method	AAT/GAP
Start	1	End	1709
GI	286756	Score	318
Exons	1..49, 360..422, 1102..1135, 1665..1709		
GI Descrip.	2443878 3.0e-16 (AC002294) Unknown protein [Arabidopsis thaliana]		

Seq. No.	9831	Seq. ID	OJ000209_22.0228.C8
Gene No.	20931	Strand	+
Start	1	End	4214
Name	OJ000209_22.0228.C8.o1.np	Method	AAT/NAP
Start	1	End	4039
GI	4454464	Score	707
Exons	1..49, 360..422, 1102..1135, 1665..1787, 2383..2445, 2542..2635, 2723..2768, 2897..2964, 3335..3383, 3620..3685, 3956..4039		
GI Descrip.	(AC006234) putative secretory carrier-associated membrane protein [Arabidopsis thaliana]		

Seq. No.	9831	Seq. ID	OJ000209_22.0228.C8
Gene No.	20931	Strand	+
Start	1	End	4214
Name	OJ000209_22.0228.C8.o1.gs	Method	GENSCAN
Start	363	End	4132
GI	none	Score	.81
Exons	363..422, 1102..1135, 1665..1787, 2542..2608, 2723..2768, 2897..2964, 3335..3383, 3620..3685, 4046..4132		

Seq. No.	9831	Seq. ID	OJ000209_22.0228.C8
Gene No.	20931	Strand	+
Start	1	End	4214
Name	OJ000209_22.0228.C8.o2.gp	Method	AAT/GAP
Start	1739	End	4214
GI	75825_1.R1084	Score	1206
Exons	1739..1787, 2383..2445, 2542..2635, 2723..2768, 2897..2964, 3335..3383, 3620..3685, 3956..4214		
GI Descrip.	'4454464/gb|AAD20911| 4.0e-75 (AC006234) unknown protein [Arabidopsis thaliana]'		

Seq. No.	9831	Seq. ID	OJ000209_22.0228.C8
Gene No.	20932	Strand	-
Start	4606	End	7489
Name	OJ000209_22.0228.C8.o2.tc	Method	TBLASTX:Cress
Start	8	End	1789
GI	none	Score	62
Exons	8..55, 1663..1770, 1664..1789, 1680..1787		

Seq. No.	9831	Seq. ID	OJ000209_22.0228.C8
Gene No.	20932	Strand	-
Start	4606	End	7489
Name	OJ000209_22.0228.C8.o2.tw	Method	TBLASTX:Wheat
Start	349	End	2435
GI	none	Score	144
Exons	349..426, 1662..1787, 1663..1770, 1664..1789, 1664..1774, 2382..2435		

Seq. No.	9831	Seq. ID	OJ000209_22.0228.C8
Gene No.	20932	Strand	-
Start	4606	End	7489
Name	OJ000209_22.0228.C8.o2.tm	Method	TBLASTX:Maize
Start	358	End	4048
GI	none	Score	108
Exons	358..411, 1662..1787, 1663..1770, 1664..1789, 1664..1774, 2381..2461, 2382..2450, 2384..2476, 2531..2650, 2540..2635, 2541..2636, 2720..2764, 2720..2764, 2721..2771, 2882..2965, 2897..2962, 2902..2964, 3333..3386, 3333..3398, 3619..3681, 3620..3685, 3620..3685, 3950..4048, 3950..4042, 3955..4047		

Seq. No.	9831	Seq. ID	OJ000209_22.0228.C8
Gene No.	20932	Strand	-
Start	4606	End	7489
Name	OJ000209_22.0228.C8.o2.ts	Method	TBLASTX:Soybean
Start	1656	End	4042
GI	none	Score	95
Exons	1656..1784, 1657..1770, 1664..1789, 1664..1774, 2381..2446, 2382..2450, 2531..2617, 2541..2636, 2709..2768, 2717..2770, 2721..2771, 2882..2962, 2908..2961, 3333..3386, 3620..3685, 3946..4035, 3950..4042		

Seq. No.	9831	Seq. ID	OJ000209_22.0228.C8
Gene No.	20932	Strand	-
Start	4606	End	7489
Name	OJ000209_22.0228.C8.o3.tc	Method	TBLASTX:Cress
Start	2376	End	4053
GI	none	Score	98
Exons	2376..2450, 2381..2446, 2531..2584, 2541..2585, 2580..2636, 2582..2635, 2717..2761, 2721..2762, 3619..3681, 3620..3685, 3946..4053, 3950..4036		

Seq. No.	9831	Seq. ID	OJ000209_22.0228.C8
Gene No.	20932	Strand	-
Start	4606	End	7489
Name	OJ000209_22.0228.C8.o4.tw	Method	TBLASTX:Wheat
Start	2610	End	4047
GI	none	Score	50
Exons	2610..2636, 2720..2764, 2720..2764, 2721..2771, 2882..2962, 2897..2962, 3333..3386, 3333..3386, 3335..3415, 3619..3681, 3619..3681, 3620..3685, 3620..3685, 3953..4045, 3953..4042, 3955..4047		

Seq. No.	9831	Seq. ID	OJ000209_22.0228.C8
Gene No.	20932	Strand	-
Start	4606	End	7489
Name	OJ000209_22.0228.C8.o2.gs	Method	GENSCAN

Start	4606	End	6715
GI	none	Score	.92
Exons	4606..5109, 5210..6556, 6646..6715		

Seq. No.	9831	Seq. ID	OJ000209_22.0228.C8
Gene No.	20932	Strand	-
Start	4606	End	7489
Name	OJ000209_22.0228.C8.o2.np	Method	AAT/NAP
Start	4661	End	7379
GI	6634762	Score	1263
Exons	4661..4791, 4820..5109, 5210..5743, 5771..6082, 6135..6556, 6646..6715, 7330..7379		
GI Descrip.	(AC009917) Contains a bZIP transcription factor PF|00170 domain. ESTs gb|R30400, gb|AA650964, gb|AI994521 come from this gene. [Arabidopsis thaliana]		

Seq. No.	9831	Seq. ID	OJ000209_22.0228.C8
Gene No.	20932	Strand	-
Start	4606	End	7489
Name	OJ000209_22.0228.C8.o1.tm	Method	TBLASTX:Maize
Start	4696	End	5503
GI	none	Score	68
Exons	4696..4767, 4915..5112, 4922..5056, 5210..5380, 5214..5381, 5453..5503		

Seq. No.	9831	Seq. ID	OJ000209_22.0228.C8
Gene No.	20932	Strand	-
Start	4606	End	7489
Name	OJ000209_22.0228.C8.o1.ts	Method	TBLASTX:Soybean
Start	4900	End	5974
GI	none	Score	64
Exons	4900..5112, 5012..5056, 5210..5368, 5211..5366, 5408..5692, 5477..5668, 5831..5974		

Seq. No.	9831	Seq. ID	OJ000209_22.0228.C8
Gene No.	20932	Strand	-
Start	4606	End	7489
Name	OJ000209_22.0228.C8.o1.tc	Method	TBLASTX:Cress
Start	4936	End	5386
GI	none	Score	138
Exons	4936..5106, 5210..5386, 5214..5381		

Seq. No.	9831	Seq. ID	OJ000209_22.0228.C8
Gene No.	20932	Strand	-
Start	4606	End	7489
Name	OJ000209_22.0228.C8.o3.tw	Method	TBLASTX:Wheat
Start	5023	End	5359
GI	none	Score	135
Exons	5023..5112, 5210..5359		

Seq. No.	9831	Seq. ID	OJ000209_22.0228.C8
Gene No.	20932	Strand	-
Start	4606	End	7489
Name	OJ000209_22.0228.C8.o4.tm	Method	TBLASTX:Maize
Start	5618	End	5981
GI	none	Score	92
Exons	5618..5743, 5619..5744, 5828..5980, 5835..5981		

Seq. No.	9831	Seq. ID	OJ000209_22.0228.C8
Gene No.	20932	Strand	-
Start	4606	End	7489
Name	OJ000209_22.0228.C8.o3.tm	Method	TBLASTX:Maize
Start	6176	End	6711
GI	none	Score	51
Exons	6176..6271, 6204..6272, 6261..6404, 6266..6466, 6509..6559, 6646..6711		

Seq. No.	9831	Seq. ID	OJ000209_22.0228.C8
Gene No.	20932	Strand	-
Start	4606	End	7489
Name	OJ000209_22.0228.C8.o3.ts	Method	TBLASTX:Soybean
Start	6176	End	6717
GI	none	Score	69
Exons	6176..6277, 6278..6460, 6279..6404, 6488..6559, 6646..6717		

Seq. No.	9831	Seq. ID	OJ000209_22.0228.C8
Gene No.	20932	Strand	-
Start	4606	End	7489
Name	OJ000209_22.0228.C8.o4.tc	Method	TBLASTX:Cress
Start	6261	End	6702
GI	none	Score	72
Exons	6261..6404, 6269..6460, 6646..6702		

Seq. No.	9831	Seq. ID	OJ000209_22.0228.C8
Gene No.	20932	Strand	-
Start	4606	End	7489
Name	OJ000209_22.0228.C8.o1.tw	Method	TBLASTX:Wheat
Start	6347	End	6714
GI	none	Score	130
Exons	6347..6448, 6356..6469, 6491..6559, 6498..6560, 6634..6714, 6635..6712, 6640..6714		

Seq. No.	9831	Seq. ID	OJ000209_22.0228.C8
Gene No.	20932	Strand	-
Start	4606	End	7489
Name	OJ000209_22.0228.C8.o3.gp	Method	AAT/GAP
Start	6437	End	7489
GI	uC-osf1M202039e12b1	Score	625
Exons	6437..6556, 6646..6715, 7330..7489		
GI Descrip.	'3169178/gb|AAC17821.1| 2.0e-09 (AC004401) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	9832	Seq. ID	OJ000209_22.0228.C9
Gene No.	20933	Strand	+
Start	1457	End	1612
Name	OJ000209_22.0228.C9.o1.gs	Method	GENSCAN
Start	1457	End	1612
GI	none	Score	.43
Exons	1457..1612		

Seq. No.	9832	Seq. ID	OJ000209_22.0228.C9
Gene No.	20934	Strand	-
Start	4750	End	9040
Name	OJ000209_22.0228.C9.o2.ts	Method	TBLASTX:Soybean

Start	4748	End	4926
GI	none	Score	116
Exons	4748..4876, 4756..4926		

Seq. No.	9832	Seq. ID	OJ000209_22.0228.C9
Gene No.	20934	Strand	-
Start	4750	End	9040
Name	OJ000209_22.0228.C9.o2.gs	Method	GENSCAN
Start	4750	End	9040
GI	none	Score	.77
Exons	4750..4924, 6838..7162, 8402..8440, 8833..9040		

Seq. No.	9832	Seq. ID	OJ000209_22.0228.C9
Gene No.	20934	Strand	-
Start	4750	End	9040
Name	OJ000209_22.0228.C9.o1.tm	Method	TBLASTX:Maize
Start	4796	End	7065
GI	none	Score	121
Exons	4796..4927, 4798..4926, 4992..5105, 6802..6975, 6837..7064, 6837..7064, 7033..7065		

Seq. No.	9832	Seq. ID	OJ000209_22.0228.C9
Gene No.	20934	Strand	-
Start	4750	End	9040
Name	OJ000209_22.0228.C9.o3.ts	Method	TBLASTX:Soybean
Start	6960	End	7116
GI	none	Score	91
Exons	6960..7106, 6960..7115, 7033..7116		

Seq. No.	9832	Seq. ID	OJ000209_22.0228.C9
Gene No.	20934	Strand	-
Start	4750	End	9040
Name	OJ000209_22.0228.C9.o1.ts	Method	TBLASTX:Soybean
Start	7117	End	9013
GI	none	Score	77
Exons	7117..7167, 7119..7163, 8819..9007, 8835..8954, 8969..9013		

Seq. No.	9832	Seq. ID	OJ000209_22.0228.C9
Gene No.	20934	Strand	-
Start	4750	End	9040
Name	OJ000209_22.0228.C9.o1.tc	Method	TBLASTX:Cress
Start	8831	End	9007
GI	none	Score	235
Exons	8831..9007		

Seq. No.	9833	Seq. ID	OJ000209_22.0228.C11
Gene No.	20935	Strand	+
Start	1031	End	1314
Name	OJ000209_22.0228.C11.o1.gp	Method	AAT/GAP
Start	1031	End	1314
GI	none	Score	490
Exons	1031..1314		

Seq. No.	9834	Seq. ID	OJ000209_22.0228.C12
Gene No.	20936	Strand	+
Start	2265	End	5495
Name	OJ000209_22.0228.C12.o2.gs	Method	GENSCAN

Start	2265	End	5495
GI	none	Score	.42
Exons	2265..2284, 2833..3109, 3226..3401, 5348..5495		

Seq. No.	9834	Seq. ID	OJ000209_22.0228.C12
Gene No.	20937	Strand	+
Start	6937	End	7237
Name	OJ000209_22.0228.C12.o2.gp	Method	AAT/GAP
Start	6814	End	7237
GI	68586_1.R1084	Score	756
Exons	6814..7237		
GI Descrip.	'3080400/emb|CAA18720.1| 2.0e-25 (AL022603) putative protein [Arabidopsis thaliana] >gi_4455264_emb_CAB36800.1_ (AL035527) putative protein [Arabidopsis thaliana]'		

Seq. No.	9834	Seq. ID	OJ000209_22.0228.C12
Gene No.	20937	Strand	+
Start	6937	End	7237
Name	OJ000209_22.0228.C12.o2.np	Method	AAT/NAP
Start	6937	End	7237
GI	3080400	Score	310
Exons	6937..7237		
GI Descrip.	(AL022603) putative protein [Arabidopsis thaliana] gi|4455264|emb|CAB36800.1| (AL035527) putative protein [Arabidopsis thaliana]		

Seq. No.	9834	Seq. ID	OJ000209_22.0228.C12
Gene No.	20937	Strand	+
Start	6937	End	7237
Name	OJ000209_22.0228.C12.o3.gs	Method	GENSCAN
Start	6937	End	7221
GI	none	Score	.43
Exons	6937..7221		

Seq. No.	9834	Seq. ID	OJ000209_22.0228.C12
Gene No.	20938	Strand	-
Start	7	End	1151
Name	OJ000209_22.0228.C12.o1.gs	Method	GENSCAN
Start	7	End	1151
GI	none	Score	.93
Exons	7..341, 1097..1151		

Seq. No.	9834	Seq. ID	OJ000209_22.0228.C12
Gene No.	20938	Strand	-
Start	7	End	1151
Name	OJ000209_22.0228.C12.o1.np	Method	AAT/NAP
Start	110	End	802
GI	6016874	Score	161
Exons,	110..353, 669..802		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	9834	Seq. ID	OJ000209_22.0228.C12
Gene No.	20938	Strand	-
Start	7	End	1151
Name	OJ000209_22.0228.C12.o1.gp	Method	AAT/GAP

Start	252	End	977
GI	3653_1.R1084	Score	1292
Exons	252..977		
GI Descrip.	'6016874/dbj|BAA85217.1| 3.0e-17 (AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]'		

Seq. No.	9834	Seq. ID	OJ000209_22.0228.C12
Gene No.	20939	Strand	
Start	6780	End	7236
Name	OJ000209_22.0228.C12.o1.tm	Method	TBLASTX:Maize
Start	6780	End	7236
GI	none	Score	48
Exons	6780..6863, 6787..6864, 6922..7236, 6924..7235		

Seq. No.	9834	Seq. ID	OJ000209_22.0228.C12
Gene No.	20939	Strand	
Start	6780	End	7236
Name	OJ000209_22.0228.C12.o1.ts	Method	TBLASTX:Soybean
Start	6919	End	7236
GI	none	Score	229
Exons	6919..7137, 6936..7019, 7104..7235, 7132..7236		

Seq. No.	9834	Seq. ID	OJ000209_22.0228.C12
Gene No.	20939	Strand	
Start	6780	End	7236
Name	OJ000209_22.0228.C12.o1.tc	Method	TBLASTX:Cress
Start	6921	End	7236
GI	none	Score	147
Exons	6921..7019, 6928..7047, 7045..7137, 7131..7235, 7132..7236		

Seq. No.	9835	Seq. ID	OJ000209_22.0228.C13
Gene No.	20940	Strand	-
Start	1	End	100
Name	OJ000209_22.0228.C13.o1.gp	Method	AAT/GAP
Start	1	End	100
GI	73769_1.R1084	Score	176
Exons	1..100		
GI Descrip.	'3080400/emb|CAA18720.1| 3.0e-09 (AL022603) putative protein [Arabidopsis thaliana] >gi_4455264_emb_CAB36800.1_ (AL035527) putative protein [Arabidopsis thaliana]'		

Seq. No.	9836	Seq. ID	OJ000209_22.0228.C14
Gene No.	20941	Strand	+
Start	1	End	603
Name	OJ000209_22.0228.C14.o1.np	Method	AAT/NAP
Start	1	End	603
GI	5702196	Score	288
Exons	1..603		
GI Descrip.	(AF107293) rust resistance protein [Zea mays]		

Seq. No.	9836	Seq. ID	OJ000209_22.0228.C14
Gene No.	20941	Strand	+
Start	1	End	603
Name	OJ000209_22.0228.C14.o1.tm	Method	TBLASTX:Maize
Start	1	End	448

GI	none	Score	138
Exons	1..144, 2..145, 35..145, 175..225, 176..226, 233..448, 259..411		

Seq. No.	9837	Seq. ID	OJ000119_14.0208.C1
Gene No.	20942	Strand	+
Start	4935	End	10676
Name	OJ000119_14.0208.C1.o2.gs	Method	GENSCAN
Start	4935	End	10676
GI	none	Score	.8
Exons	4935..5073, 5100..5187, 5313..5430, 5932..6067, 6192..6237, 6313..6420, 6613..6712, 6806..6951, 7046..7137, 7251..7345, 7669..7765, 7855..7998, 8219..8436, 9145..9271, 10211..10345, 10573..10676		

Seq. No.	9837	Seq. ID	OJ000119_14.0208.C1
Gene No.	20942	Strand	+
Start	4935	End	10676
Name	OJ000119_14.0208.C1.o4.gp	Method	AAT/GAP
Start	5120	End	6376
GI	none	Score	589
Exons	5120..5142, 5311..5430, 5932..6067, 6198..6237, 6313..6376		

Seq. No.	9837	Seq. ID	OJ000119_14.0208.C1
Gene No.	20942	Strand	+
Start	4935	End	10676
Name	OJ000119_14.0208.C1.o3.np	Method	AAT/NAP
Start	5938	End	8642
GI	3212871	Score	1488
Exons	5938..6097, 6204..6237, 6313..6420, 6613..6712, 6806..6951, 7046..7137, 7251..7345, 7669..7765, 7855..7998, 8219..8436, 8535..8642		
GI Descrip.	(AC004005) putative methionine aminopeptidase [Arabidopsis thaliana]		

Seq. No.	9837	Seq. ID	OJ000119_14.0208.C1
Gene No.	20942	Strand	+
Start	4935	End	10676
Name	OJ000119_14.0208.C1.o4.np	Method	AAT/NAP
Start	10161	End	10365
GI	3122724	Score	210
Exons	10161..10365		
GI Descrip.	60S RIBOSOMAL PROTEIN L38 gi|2289009|gb|AAB64338.1| (AC002335) 60S ribosomal protein L38 [Arabidopsis thaliana]		

Seq. No.	9837	Seq. ID	OJ000119_14.0208.C1
Gene No.	20943	Strand	-
Start	595	End	4676
Name	OJ000119_14.0208.C1.o1.gs	Method	GENSCAN
Start	595	End	4676
GI	none	Score	.7
Exons	595..2035, 2163..2350, 2518..2674, 2960..3011, 3195..3400, 3895..3997, 4111..4248, 4387..4676		

Seq. No.	9837	Seq. ID	OJ000119_14.0208.C1
Gene No.	20943	Strand	-
Start	595	End	4676
Name	OJ000119_14.0208.C1.o1.np	Method	AAT/NAP

Start	737	End	1633
GI	6649097	Score	971
Exons	737..1633		
GI Descrip.	(AF146275) resistance gene analog PIC27 [Oryza sativa]		

Seq. No.	9837	Seq. ID	OJ000119_14.0208.C1
Gene No.	20943	Strand	-
Start	595	End	4676
Name	OJ000119_14.0208.C1.o1.gp	Method	AAT/GAP
Start	1911	End	2375
GI	701907	Score	466
Exons	1911..2053, 2172..2375		

Seq. No.	9837	Seq. ID	OJ000119_14.0208.C1
Gene No.	20943	Strand	-
Start	595	End	4676
Name	OJ000119_14.0208.C1.o2.gp	Method	AAT/GAP
Start	3031	End	4183
GI	1999_1.R1084	Score	999
Exons	3031..3400, 3895..3997, 4111..4183		
GI Descrip.	'133019/sp|P11874|RL7_DICDI 1.0e-33 60S RIBOSOMAL PROTEIN L7 >gi_71122_pir__R5DO7 ribosomal protein L7 - slime mold (Dictyostelium discoideum) >gi_7357_emb_CAA33035_ (X14909) ribosomal protein L7 (AA 1 - 246) [Dictyostelium discoideum]'		

Seq. No.	9837	Seq. ID	OJ000119_14.0208.C1
Gene No.	20943	Strand	-
Start	595	End	4676
Name	OJ000119_14.0208.C1.o2.np	Method	AAT/NAP
Start	3188	End	4673
GI	6503287	Score	518
Exons	3188..3400, 3895..3997, 4111..4248, 4387..4673		
GI Descrip.	(AC011713) Strong similarity to gi|445613 ribosomal protein L7 from Solanum tuberosum. [Arabidopsis thaliana]		

Seq. No.	9837	Seq. ID	OJ000119_14.0208.C1
Gene No.	20943	Strand	-
Start	595	End	4676
Name	OJ000119_14.0208.C1.o3.gp	Method	AAT/GAP
Start	4387	End	4608
GI	none	Score	421
Exons	4387..4608		

Seq. No.	9837	Seq. ID	OJ000119_14.0208.C1
Gene No.	20944	Strand	-
Start	16388	End	16918
Name	OJ000119_14.0208.C1.o3.tm	Method	TBLASTX:Maize
Start	806	End	1180
GI	none	Score	246
Exons	806..1180		

Seq. No.	9837	Seq. ID	OJ000119_14.0208.C1
Gene No.	20944	Strand	-
Start	16388	End	16918
Name	OJ000119_14.0208.C1.o5.ts	Method	TBLASTX:Soybean
Start	875	End	1099
GI	4397495	Score	199

Exons	875..1099		
GI Descrip.	4234955 2.0e-22 (AF098971) NBS-LRR-like protein cD8 [Phaseolus vulgaris]		
Seq. No.	9837	Seq. ID	OJ000119_14.0208.C1
Gene No.	20944	Strand	-
Start	16388	End	16918
Name	OJ000119_14.0208.C1.o3.tc	Method	TBLASTX:Cress
Start	923	End	1675
GI	none	Score	68
Exons	923..1009, 1052..1180, 1205..1261, 1379..1462, 1505..1675, 1596..1667		
Seq. No.	9837	Seq. ID	OJ000119_14.0208.C1
Gene No.	20944	Strand	-
Start	16388	End	16918
Name	OJ000119_14.0208.C1.o2.ts	Method	TBLASTX:Soybean
Start	1100	End	1643
GI	none	Score	63
Exons	1100..1180, 1193..1336, 1349..1597, 1577..1642, 1587..1643		
Seq. No.	9837	Seq. ID	OJ000119_14.0208.C1
Gene No.	20944	Strand	-
Start	16388	End	16918
Name	OJ000119_14.0208.C1.o6.tm	Method	TBLASTX:Maize
Start	1289	End	1654
GI	none	Score	133
Exons	1289..1468, 1505..1654		
Seq. No.	9837	Seq. ID	OJ000119_14.0208.C1
Gene No.	20944	Strand	-
Start	16388	End	16918
Name	OJ000119_14.0208.C1.o2.tm	Method	TBLASTX:Maize
Start	3036	End	4403
GI	none	Score	49
Exons	3036..3110, 3046..3123, 3106..3138, 3114..3134, 3134..3178, 3168..3401, 3179..3406, 3186..3401, 3879..3998, 3889..4002, 3893..4009, 3896..3997, 4090..4242, 4096..4242, 4110..4256, 4110..4256, 4380..4403		
Seq. No.	9837	Seq. ID	OJ000119_14.0208.C1
Gene No.	20944	Strand	-
Start	16388	End	16918
Name	OJ000119_14.0208.C1.o5.tc	Method	TBLASTX:Cress
Start	3177	End	4640
GI	none	Score	153
Exons	3177..3404, 3185..3406, 3889..4002, 4090..4257, 4110..4238, 4446..4640		
Seq. No.	9837	Seq. ID	OJ000119_14.0208.C1
Gene No.	20944	Strand	-
Start	16388	End	16918
Name	OJ000119_14.0208.C1.o3.ts	Method	TBLASTX:Soybean
Start	3183	End	4640
GI	none	Score	132
Exons	3183..3398, 3185..3403, 3889..4002, 3947..3994, 4090..4257, 4110..4238, 4446..4640		

Seq. No.	9837	Seq. ID	OJ000119_14.0208.C1
Gene No.	20944	Strand	-
Start	16388	End	16918
Name	OJ000119_14.0208.C1.o1.tw	Method	TBLASTX:Wheat
Start	3350	End	4295
GI	none	Score	83
Exons	3350..3406, 3879..4004, 3889..4002, 3893..4009, 3899..4009, 4090..4248, 4101..4295, 4110..4238		

Seq. No.	9837	Seq. ID	OJ000119_14.0208.C1
Gene No.	20944	Strand	-
Start	16388	End	16918
Name	OJ000119_14.0208.C1.o4.tm	Method	TBLASTX:Maize
Start	4404	End	4707
GI	none	Score	197
Exons	4404..4529, 4405..4707, 4405..4548, 4584..4706		

Seq. No.	9837	Seq. ID	OJ000119_14.0208.C1
Gene No.	20944	Strand	-
Start	16388	End	16918
Name	OJ000119_14.0208.C1.o3.tw	Method	TBLASTX:Wheat
Start	4485	End	4676
GI	none	Score	158
Exons	4485..4676, 4486..4671		

Seq. No.	9837	Seq. ID	OJ000119_14.0208.C1
Gene No.	20944	Strand	-
Start	16388	End	16918
Name	OJ000119_14.0208.C1.o1.tc	Method	TBLASTX:Cress
Start	6310	End	7347
GI	none	Score	155
Exons	6310..6420, 6311..6421, 6313..6429, 6614..6715, 6620..6715, 6795..6866, 6805..6951, 6806..6952, 6900..6962, 6901..6963, 7046..7153, 7047..7154, 7053..7160, 7249..7347, 7250..7345		

Seq. No.	9837	Seq. ID	OJ000119_14.0208.C1
Gene No.	20944	Strand	-
Start	16388	End	16918
Name	OJ000119_14.0208.C1.o1.ts	Method	TBLASTX:Soybean
Start	6310	End	7351
GI	none	Score	151
Exons	6310..6432, 6311..6421, 6614..6715, 6614..6715, 6790..6897, 6806..6874, 6874..6951, 6875..6952, 7046..7153, 7047..7154, 7249..7347, 7250..7345, 7253..7351		

Seq. No.	9837	Seq. ID	OJ000119_14.0208.C1
Gene No.	20944	Strand	-
Start	16388	End	16918
Name	OJ000119_14.0208.C1.o1.tm	Method	TBLASTX:Maize
Start	6313	End	8651
GI	none	Score	187
Exons	6313..6432, 6314..6421, 6614..6715, 6619..6729, 6620..6715, 6805..6951, 6806..6952, 7046..7138, 7047..7154, 7047..7163, 7048..7155, 7249..7347, 7250..7345, 7253..7351, 7533..7601, 7668..7763, 7668..7763, 7669..7764, 7812..7994, 7853..7999, 7854..8000, 7858..8010, 8211..8432, 8213..8428, 8218..8436,		

8218..8436, 8532..8651, 8534..8647

Seq. No.	9837	Seq. ID	OJ000119_14.0208.C1
Gene No.	20944	Strand	-
Start	16388	End	16918
Name	OJ000119_14.0208.C1.o4.tc	Method	TBLASTX:Cress
Start	7734	End	8273
GI	none	Score	50
Exons	7734..7763, 7735..7764, 7853..7999, 7854..8000, 8211..8273, 8218..8271		

Seq. No.	9837	Seq. ID	OJ000119_14.0208.C1
Gene No.	20944	Strand	-
Start	16388	End	16918
Name	OJ000119_14.0208.C1.o4.ts	Method	TBLASTX:Soybean
Start	7892	End	8376
GI	none	Score	101
Exons	7892..7993, 7896..8000, 7896..7988, 7897..7992, 7898..7999, 8211..8312, 8218..8313, 8307..8375, 8311..8376		

Seq. No.	9837	Seq. ID	OJ000119_14.0208.C1
Gene No.	20944	Strand	-
Start	16388	End	16918
Name	OJ000119_14.0208.C1.o2.tc	Method	TBLASTX:Cress
Start	8274	End	8646
GI	none	Score	204
Exons	8274..8450, 8278..8442, 8298..8450, 8520..8645, 8533..8646, 8534..8644		

Seq. No.	9837	Seq. ID	OJ000119_14.0208.C1
Gene No.	20944	Strand	-
Start	16388	End	16918
Name	OJ000119_14.0208.C1.o2.tw	Method	TBLASTX:Wheat
Start	10163	End	11307
GI	none	Score	67
Exons	10163..10201, 10164..10214, 10208..10306, 10209..10304, 10210..10341, 10211..10306, 10306..10350, 11188..11307, 11234..11287, 11235..11285		

Seq. No.	9837	Seq. ID	OJ000119_14.0208.C1
Gene No.	20944	Strand	-
Start	16388	End	16918
Name	OJ000119_14.0208.C1.o6.tc	Method	TBLASTX:Cress
Start	10163	End	11287
GI	none	Score	67
Exons	10163..10210, 10164..10214, 10208..10306, 10211..10288, 10308..10364, 10309..10350, 11234..11287		

Seq. No.	9837	Seq. ID	OJ000119_14.0208.C1
Gene No.	20944	Strand	-
Start	16388	End	16918
Name	OJ000119_14.0208.C1.o5.tm	Method	TBLASTX:Maize
Start	10163	End	11308
GI	none	Score	67
Exons	10163..10210, 10164..10214, 10206..10304, 10208..10315, 10211..10306, 10299..10349, 10306..10350, 10306..10350, 11234..11308, 11235..11285		

Seq. No.	9837	Seq. ID	OJ000119_14.0208.C1
Gene No.	20944	Strand	-
Start	16388	End	16918
Name	OJ000119_14.0208.C1.o6.ts	Method	TBLASTX:Soybean
Start	10163	End	11285
GI	none	Score	67
Exons	10163..10210, 10164..10214, 10206..10295, 10208..10306, 10211..10309, 10306..10350, 10308..10349, 11235..11285		

Seq. No.	9837	Seq. ID	OJ000119_14.0208.C1
Gene No.	20944	Strand	-
Start	16388	End	16918
Name	OJ000119_14.0208.C1.o4.gs	Method	GENSCAN
Start	16388	End	16918
GI	none	Score	1
Exons	16388..16918		

Seq. No.	9838	Seq. ID	OJ000119_14.0208.C2
Gene No.	20945	Strand	-
Start	3932	End	5168
Name	OJ000119_14.0208.C2.o2.gs	Method	GENSCAN
Start	3932	End	5168
GI	none	Score	.92
Exons	3932..4047, 5136..5168		

Seq. No.	9839	Seq. ID	OJ000119_14.0208.C3
Gene No.	20946	Strand	+
Start	1	End	3419
Name	OJ000119_14.0208.C3.o1.np	Method	AAT/NAP
Start	1	End	3419
GI	3063465	Score	475
Exons	1..22, 179..377, 737..828, 2507..3195, 3259..3419		
GI Descrip.	(AC003981) F22O13.27 [Arabidopsis thaliana]		

Seq. No.	9839	Seq. ID	OJ000119_14.0208.C3
Gene No.	20946	Strand	+
Start	1	End	3419
Name	OJ000119_14.0208.C3.o1.gs	Method	GENSCAN
Start	105	End	3395
GI	none	Score	.97
Exons	105..377, 737..828, 2507..3395		

Seq. No.	9839	Seq. ID	OJ000119_14.0208.C3
Gene No.	20947	Strand	+
Start	5499	End	6663
Name	OJ000119_14.0208.C3.o1.tm	Method	TBLASTX:Maize
Start	104	End	2572
GI	none	Score	52
Exons	104..157, 105..209, 165..377, 176..379, 251..379, 734..823, 736..834, 2504..2572, 2511..2570		

Seq. No.	9839	Seq. ID	OJ000119_14.0208.C3
Gene No.	20947	Strand	+
Start	5499	End	6663
Name	OJ000119_14.0208.C3.o2.gs	Method	GENSCAN
Start	5499	End	6604

GI	none	Score	.93
Exons	5499..6383, 6440..6604		
Seq. No.	9839	Seq. ID	OJ000119_14.0208.C3
Gene No.	20947	Strand	+
Start	5499	End	6663
Name	OJ000119_14.0208.C3.o2.np	Method	AAT/NAP
Start	5499	End	6392
GI	5902448	Score	1511
Exons	5499..6392		
GI Descrip.	(AB030283) orf3 [Oryza sativa]		
Seq. No.	9839	Seq. ID	OJ000119_14.0208.C3
Gene No.	20947	Strand	+
Start	5499	End	6663
Name	OJ000119_14.0208.C3.o1.tw	Method	TBLASTX:Wheat
Start	5619	End	5909
GI	none	Score	214
Exons	5619..5909		
Seq. No.	9839	Seq. ID	OJ000119_14.0208.C3
Gene No.	20947	Strand	+
Start	5499	End	6663
Name	OJ000119_14.0208.C3.o3.np	Method	AAT/NAP
Start	6482	End	6663
GI	5902447	Score	106
Exons	6482..6663		
GI Descrip.	(AB030283) orf4 [Oryza sativa]		
Seq. No.	9840	Seq. ID	OJ000119_14.0208.C4
Gene No.	20948	Strand	+
Start	1	End	745
Name	OJ000119_14.0208.C4.o1.np	Method	AAT/NAP
Start	1	End	745
GI	6691716	Score	640
Exons	1..234, 308..745		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		
Seq. No.	9840	Seq. ID	OJ000119_14.0208.C4
Gene No.	20948	Strand	+
Start	1	End	745
Name	OJ000119_14.0208.C4.o1.gs	Method	GENSCAN
Start	130	End	719
GI	none	Score	.99
Exons	130..234, 308..719		
Seq. No.	9841	Seq. ID	OJ000119_14.0208.C5
Gene No.	20949	Strand	-
Start	1	End	1779
Name	OJ000119_14.0208.C5.o1.np	Method	AAT/NAP
Start	1	End	1779
GI	5902445	Score	2809
Exons	1..1779		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	9841	Seq. ID	OJ000119_14.0208.C5
Gene No.	20949	Strand	-
Start	1	End	1779
Name	OJ000119_14.0208.C5.o1.gs	Method	GENSCAN
Start	83	End	1704
GI	none	Score	.71
Exons	83..788, 944..1704		

Seq. No.	9841	Seq. ID	OJ000119_14.0208.C5
Gene No.	20949	Strand	-
Start	1	End	1779
Name	OJ000119_14.0208.C5.o2.tw	Method	TBLASTX:Wheat
Start	272	End	694
GI	none	Score	232
Exons	272..694, 348..689		

Seq. No.	9841	Seq. ID	OJ000119_14.0208.C5
Gene No.	20949	Strand	-
Start	1	End	1779
Name	OJ000119_14.0208.C5.o2.ts	Method	TBLASTX:Soybean
Start	315	End	703
GI	none	Score	121
Exons	315..563, 317..559, 599..703,	606..695	

Seq. No.	9841	Seq. ID	OJ000119_14.0208.C5
Gene No.	20949	Strand	-
Start	1	End	1779
Name	OJ000119_14.0208.C5.o3.tm	Method	TBLASTX:Maize
Start	368	End	641
GI	none	Score	53
Exons	368..466, 369..434, 470..640,	471..641	

Seq. No.	9841	Seq. ID	OJ000119_14.0208.C5
Gene No.	20949	Strand	-
Start	1	End	1779
Name	OJ000119_14.0208.C5.o3.tw	Method	TBLASTX:Wheat
Start	731	End	1158
GI	none	Score	114
Exons	731..1054, 1039..1158		

Seq. No.	9841	Seq. ID	OJ000119_14.0208.C5
Gene No.	20949	Strand	-
Start	1	End	1779
Name	OJ000119_14.0208.C5.o1.ts	Method	TBLASTX:Soybean
Start	1018	End	1329
GI	none	Score	129
Exons	1018..1329, 1169..1312		

Seq. No.	9841	Seq. ID	OJ000119_14.0208.C5
Gene No.	20949	Strand	-
Start	1	End	1779
Name	OJ000119_14.0208.C5.o1.tm	Method	TBLASTX:Maize
Start	1081	End	1464
GI	none	Score	158
Exons	1081..1464, 1082..1360		

Seq. No.	9841	Seq. ID	OJ000119_14.0208.C5

Gene No.	20949	Strand	-
Start	1	End	1779
Name	OJ000119_14.0208.C5.o1.tw	Method	TBLASTX:Wheat
Start	1204	End	1623
GI	none	Score	221
Exons	1204..1623, 1205..1621		

Seq. No.	9841	Seq. ID	OJ000119_14.0208.C5
Gene No.	20949	Strand	-
Start	1	End	1779
Name	OJ000119_14.0208.C5.o2.tm	Method	TBLASTX:Maize
Start	1492	End	1776
GI	none	Score	138
Exons	1492..1719, 1502..1717, 1713..1775, 1714..1776		

Seq. No.	9841	Seq. ID	OJ000119_14.0208.C5
Gene No.	20949	Strand	-
Start	1	End	1779
Name	OJ000119_14.0208.C5.o4.tw	Method	TBLASTX:Wheat
Start	1624	End	1775
GI	none	Score	90
Exons	1624..1719, 1624..1719, 1634..1720, 1713..1775		

Seq. No.	9842	Seq. ID	OJ000119_14.0208.C6
Gene No.	20950	Strand	+
Start	997	End	1776
Name	OJ000119_14.0208.C6.o1.gp	Method	AAT/GAP
Start	997	End	1776
GI	none	Score	1400
Exons	997..1776		

Seq. No.	9842	Seq. ID	OJ000119_14.0208.C6
Gene No.	20951	Strand	+
Start	8723	End	8986
Name	OJ000119_14.0208.C6.o3.gs	Method	GENSCAN
Start	8723	End	8986
GI	none	Score	.62
Exons	8723..8768, 8810..8931, 8936..8986		

Seq. No.	9842	Seq. ID	OJ000119_14.0208.C6
Gene No.	20952	Strand	+
Start	10113	End	16897
Name	OJ000119_14.0208.C6.o4.gs	Method	GENSCAN
Start	10113	End	16897
GI	none	Score	.55
Exons	10113..10543, 10871..10987, 11100..11208, 11278..11466, 11552..11774, 11847..11965, 12046..12222, 12273..12334, 12439..12700, 12793..12900, 12965..13048, 13164..13186, 13244..13626, 13690..13922, 14311..14534, 16792..16897		

Seq. No.	9842	Seq. ID	OJ000119_14.0208.C6
Gene No.	20952	Strand	+
Start	10113	End	16897
Name	OJ000119_14.0208.C6.o4.np	Method	AAT/NAP
Start	10174	End	13640
GI	5441880	Score	1015
Exons	10174..10199, 10885..11024, 11133..11466, 12046..12334,		

	12439..12700, 12773..13017, 13431..13640		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		
Seq. No.	9842	Seq. ID	OJ000119_14.0208.C6
Gene No.	20952	Strand	+
Start	10113	End	16897
Name	OJ000119_14.0208.C6.o4.gp	Method	AAT/GAP
Start	11139	End	13371
GI	LIB3433-020-P1-K1-A6	Score	698
Exons	11139..11182, 12994..13371		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 2.0e-35 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		
Seq. No.	9842	Seq. ID	OJ000119_14.0208.C6
Gene No.	20953	Strand	+
Start	18285	End	22745
Name	OJ000119_14.0208.C6.o5.gs	Method	GENSCAN
Start	18285	End	22745
GI	none	Score	.55
Exons	18285..18481, 18567..18753, 19291..19403, 21041..21238, 22039..22105, 22128..22745		
Seq. No.	9842	Seq. ID	OJ000119_14.0208.C6
Gene No.	20954	Strand	-
Start	1	End	29350
Name	OJ000119_14.0208.C6.o1.np	Method	AAT/NAP
Start	1	End	2990
GI	4680183	Score	870
Exons	1..579, 2906..2990		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		
Seq. No.	9842	Seq. ID	OJ000119_14.0208.C6
Gene No.	20954	Strand	-
Start	1	End	29350
Name	OJ000119_14.0208.C6.o6.np	Method	AAT/NAP
Start	1	End	24975
GI	5917666	Score	273
Exons	1..390, 2983..3125, 3288..3512, 8938..9055, 10216..10350, 13430..13640, 18286..18607, 21075..21224, 22273..22615, 24601..24630, 24760..24975		
GI Descrip.	(AF159297) extensin-like protein [Zea mays]		
Seq. No.	9842	Seq. ID	OJ000119_14.0208.C6
Gene No.	20954	Strand	-
Start	1	End	29350
Name	OJ000119_14.0208.C6.o1.gs	Method	GENSCAN
Start	19	End	3397
GI	none	Score	.85
Exons	19..463, 1550..1624, 2371..2419, 2544..2593, 2679..2762, 2984..3397		
Seq. No.	9842	Seq. ID	OJ000119_14.0208.C6
Gene No.	20954	Strand	-
Start	1	End	29350
Name	OJ000119_14.0208.C6.o3.tw	Method	TBLASTX:Wheat

Start	206	End	526
GI	none	Score	184
Exons	206..526		

Seq. No.	9842	Seq. ID	OJ000119_14.0208.C6
Gene No.	20954	Strand	-
Start	1	End	29350
Name	OJ000119_14.0208.C6.o2.tm	Method	TBLASTX:Maize
Start	1219	End	2425
GI	none	Score	140
Exons	1219..1371, 1252..1365, 1544..1624, 1546..1626, 1551..1625, 1554..1637, 1555..1626, 2368..2421, 2369..2425, 2369..2425		

Seq. No.	9842	Seq. ID	OJ000119_14.0208.C6
Gene No.	20954	Strand	-
Start	1	End	29350
Name	OJ000119_14.0208.C6.o2.np	Method	AAT/NAP
Start	1255	End	3118
GI	2289010	Score	528
Exons	1255..1371, 1550..1624, 2371..2419, 2544..2593, 2679..2762, 2984..3118		
GI Descrip.	(AC002335) putative FKBP type peptidyl-prolyl cis-trans isomerase [Arabidopsis thaliana]		

Seq. No.	9842	Seq. ID	OJ000119_14.0208.C6
Gene No.	20954	Strand	-
Start	1	End	29350
Name	OJ000119_14.0208.C6.o2.tc	Method	TBLASTX:Cress
Start	1261	End	3040
GI	none	Score	81
Exons	1261..1284, 1288..1371, 1544..1624, 1551..1625, 2368..2421, 2369..2422, 2535..2567, 2546..2593, 2669..2755, 2674..2763, 2676..2771, 2981..3040		

Seq. No.	9842	Seq. ID	OJ000119_14.0208.C6
Gene No.	20954	Strand	-
Start	1	End	29350
Name	OJ000119_14.0208.C6.o2.tw	Method	TBLASTX:Wheat
Start	1261	End	1642
GI	none	Score	116
Exons	1261..1374, 1261..1374, 1544..1624, 1554..1625, 1557..1637, 1559..1642		

Seq. No.	9842	Seq. ID	OJ000119_14.0208.C6
Gene No.	20954	Strand	-
Start	1	End	29350
Name	OJ000119_14.0208.C6.o2.gp	Method	AAT/GAP
Start	2011	End	2599
GI	4001_3.R1084	Score	848
Exons	2011..2419, 2544..2599		
GI Descrip.	'2289010 1.0e-10 (AC002335) FKBP type peptidyl-prolyl cis-trans isomerase isolog [Arabidopsis thaliana]'		

Seq. No.	9842	Seq. ID	OJ000119_14.0208.C6
Gene No.	20954	Strand	-
Start	1	End	29350
Name	OJ000119_14.0208.C6.o3.gp	Method	AAT/GAP

Start	2685	End	3433
GI	25062_1.R1084	Score	997
Exons	2685..2762, 2984..3433		
GI Descrip.	'2289010 1.0e-17 (AC002335) FKBP type peptidyl-prolyl cis-trans isomerase isolog [Arabidopsis thaliana]'		

Seq. No.	9842	Seq. ID	OJ000119_14.0208.C6
Gene No.	20954	Strand	-
Start	1	End	29350
Name	OJ000119_14.0208.C6.o3.np	Method	AAT/NAP
Start	5270	End	9772
GI	1184077	Score	919
Exons	5270..5723, 5757..7364, 7452..7689, 9622..9772		
GI Descrip.	(U42445) Cf-2.2 [Lycopersicon pimpinellifolium]		

Seq. No.	9842	Seq. ID	OJ000119_14.0208.C6
Gene No.	20954	Strand	-
Start	1	End	29350
Name	OJ000119_14.0208.C6.o1.tc	Method	TBLASTX:Cress
Start	5299	End	7740
GI	none	Score	52
Exons	5299..5394, 5320..5580, 5321..5431, 5332..5646, 5383..5646, 5383..5631, 5383..5577, 5383..5637, 5446..5646, 5446..5646, 5446..5646, 5446..5646, 5446..5658, 5452..5646, 5455..5649, 5455..5646, 5456..5635, 5456..5539, 5456..5632, 5456..5638, 5458..5646, 5591..5647, 5767..5913, 5767..5901, 5776..5916, 5776..5916, 5776..5916, 5797..5913, 5797..5913, 5797..5913, 5800..5916, 5800..5913, 5800..5913, 5815..5916, 5950..6084, 5950..6147, 5953..6306, 5956..6291, 5965..6300, 5965..6180, 5968..6306, 6079..6315, 6088..6306, 6181..6366, 6253..6372, 6307..6372, 6316..6375, 6319..6372, 6324..6359, 6349..6492, 6364..6504, 6382..6519, 6382..6495, 6382..6510, 6385..6495, 6733..6942, 6745..6951, 6751..6951, 6754..6942, 6754..6951, 6754..6933, 6754..6933, 6760..7008, 6793..6942, 6961..7254, 6976..7245, 6976..7089, 6982..7089, 6982..7134, 6982..7245, 6988..7248, 6988..7134, 7048..7134, 7075..7248, 7489..7581, 7504..7581, 7570..7710, 7588..7740		

Seq. No.	9842	Seq. ID	OJ000119_14.0208.C6
Gene No.	20954	Strand	-
Start	1	End	29350
Name	OJ000119_14.0208.C6.o1.tm	Method	TBLASTX:Maize
Start	5299	End	7243
GI	none	Score	97
Exons	5299..5568, 5446..5646, 5455..5658, 5572..5646, 5764..5913, 5776..6300, 5818..5913, 5947..6198, 5953..6270, 6220..6312, 6316..6360, 6358..6474, 6430..6504, 6511..6651, 6745..6840, 6754..6933, 6961..7089, 6976..7134, 6982..7134, 7025..7243		

Seq. No.	9842	Seq. ID	OJ000119_14.0208.C6
Gene No.	20954	Strand	-
Start	1	End	29350
Name	OJ000119_14.0208.C6.o1.ts	Method	TBLASTX:Soybean
Start	5320	End	7698
GI	none	Score	95
Exons	5320..5646, 5380..5646, 5380..5622, 5384..5617, 5446..5646, 5446..5649, 5449..5631, 5452..5649, 5455..5646, 5455..5631,		

5764..6303, 5764..5913, 5767..5904, 5767..5916, 5806..5913,
5818..5913, 5887..5913, 5950..6165, 5950..6042, 5950..6132,
5953..6300, 5956..6219, 5965..6300, 6109..6300, 6316..6363,
6358..6504, 6382..6504, 6754..6945, 6754..6870, 6754..7002,
6760..6960, 6760..6960, 6766..6951, 6796..6942, 6976..7134,
6982..7134, 6982..7134, 6988..7242, 6988..7074, 7489..7581,
7588..7698

Seq. No.	9842	Seq. ID	OJ000119_14.0208.C6
Gene No.	20954	Strand	-
Start	1	End	29350
Name	OJ000119_14.0208.C6.o1.tw	Method	TBLASTX:Wheat
Start	5335	End	7266
GI	none	Score	122
Exons	5335..5649, 5348..5644, 5776..5913, 5818..5913, 5965..6219, 6160..6306, 6754..6942, 6973..7128, 7180..7266		

Seq. No.	9842	Seq. ID	OJ000119_14.0208.C6
Gene No.	20954	Strand	-
Start	1	End	29350
Name	OJ000119_14.0208.C6.o5.np	Method	AAT/NAP
Start	14651	End	17873
GI	5042463	Score	172
Exons	14651..14858, 16659..16819, 16871..17035, 17697..17873		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	9842	Seq. ID	OJ000119_14.0208.C6
Gene No.	20954	Strand	-
Start	1	End	29350
Name	OJ000119_14.0208.C6.o5.gp	Method	AAT/GAP
Start	15495	End	15547
GI	LIB3431-030-P1-N1-G8	Score	79
Exons	15495..15547		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	9842	Seq. ID	OJ000119_14.0208.C6
Gene No.	20954	Strand	-
Start	1	End	29350
Name	OJ000119_14.0208.C6.o6.gs	Method	GENSCAN
Start	23333	End	23674
GI	none	Score	1
Exons	23333..23674		

Seq. No.	9842	Seq. ID	OJ000119_14.0208.C6
Gene No.	20954	Strand	-
Start	1	End	29350
Name	OJ000119_14.0208.C6.o7.gs	Method	GENSCAN
Start	24101	End	29350
GI	none	Score	.67
Exons	24101..24189, 24486..24611, 24637..24832, 24897..25223, 25578..25750, 25774..25879, 25968..26036, 26595..26682, 26847..27099, 27556..27701, 28341..28420, 28471..28722, 29276..29350		

Seq. No.	9842	Seq. ID	OJ000119_14.0208.C6
Gene No.	20954	Strand	-

Start	1	End	29350
Name	OJ000119_14.0208.C6.o3.tm	Method	TBLASTX:Maize
Start	26613	End	28534
GI	none	Score	83
Exons	26613..26684, 26613..26681, 26615..26683, 26793..26933, 26847..26900, 26849..27001, 26867..26938, 26954..27004, 26956..26982, 26984..27100, 27003..27101, 27179..27250, 27193..27249, 27197..27250, 27539..27673, 27540..27671, 27553..27681, 28472..28534		

Seq. No.	9843	Seq. ID	OJ000119_14.0208.C7
Gene No.	20955	Strand	+
Start	89	End	8371
Name	OJ000119_14.0208.C7.o1.gs	Method	GENSCAN
Start	89	End	6789
GI	none	Score	.53
Exons	89..187, 1669..1735, 3036..3152, 3722..3887, 4171..4849, 4970..5129, 5188..5331, 5876..6028, 6139..6254, 6340..6507, 6661..6789		

Seq. No.	9843	Seq. ID	OJ000119_14.0208.C7
Gene No.	20955	Strand	+
Start	89	End	8371
Name	OJ000119_14.0208.C7.o1.np	Method	AAT/NAP
Start	4242	End	8153
GI	6730697	Score	1228
Exons	4242..4549, 4580..4650, 4684..4849, 4970..5093, 5188..5331, 5876..6028, 6139..6254, 6340..6507, 7762..8153		
GI Descrip.	(AC011809) calcium-dependent protein kinase 1 [Arabidopsis thaliana]		

Seq. No.	9843	Seq. ID	OJ000119_14.0208.C7
Gene No.	20955	Strand	+
Start	89	End	8371
Name	OJ000119_14.0208.C7.o1.gp	Method	AAT/GAP
Start	4591	End	5920
GI	41344_1.R1084	Score	1046
Exons	4591..4849, 4970..5093, 5188..5331, 5876..5920		
GI Descrip.	'1314711 7.0e-51 (U54615) calcium-dependent protein kinase [Arabidopsis thaliana] >gi_3068712 (AF049236) calcium dependent protein kinase [Arabidopsis thaliana]'		

Seq. No.	9843	Seq. ID	OJ000119_14.0208.C7
Gene No.	20955	Strand	+
Start	89	End	8371
Name	OJ000119_14.0208.C7.o3.gp	Method	AAT/GAP
Start	7523	End	7612
GI	LIB3477-003-P1-K1-E9	Score	94
Exons	7523..7612		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	9843	Seq. ID	OJ000119_14.0208.C7
Gene No.	20955	Strand	+
Start	89	End	8371
Name	OJ000119_14.0208.C7.o2.gs	Method	GENSCAN

Start	7750	End	8115
GI	none	Score	.57
Exons	7750..8115		

Seq. No.	9843	Seq. ID	OJ000119_14.0208.C7
Gene No.	20955	Strand	+
Start	89	End	8371
Name	OJ000119_14.0208.C7.o4.gp	Method	AAT/GAP
Start	7876	End	8371
GI	70186_1.R1084	Score	924
Exons	7876..8371		
GI Descrip.	'5882721/gb|AAD55274.1|AC008263_5 9.0e-19 (AC008263) Strong similarity to gb_D21805 calcium-dependent protein kinase (CDPK) from Arabidopsis thaliana and contains a PF_00069 Eukaryotic protein kinase and 4 PF_00036 EF hand domains'		

Seq. No.	9843	Seq. ID	OJ000119_14.0208.C7
Gene No.	20956	Strand	-
Start	7079	End	7520
Name	OJ000119_14.0208.C7.o2.gp	Method	AAT/GAP
Start	7079	End	7520
GI	LIB3432-059-P1-K1-D8	Score	669
Exons	7079..7520		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	9843	Seq. ID	OJ000119_14.0208.C7
Gene No.	20957	Strand	-
Start	8944	End	10262
Name	OJ000119_14.0208.C7.o1.ts	Method	TBLASTX:Soybean
Start	4403	End	8100
GI	none	Score	137
Exons	4403..4546, 4414..4551, 4721..4861, 4721..4792, 4729..4845, 4964..5095, 4972..5094, 5186..5335, 5187..5327, 5871..6023, 5872..6027, 6138..6251, 6143..6313, 6334..6507, 7765..7914, 7930..8100, 7959..8045		

Seq. No.	9843	Seq. ID	OJ000119_14.0208.C7
Gene No.	20957	Strand	-
Start	8944	End	10262
Name	OJ000119_14.0208.C7.o1.tm	Method	TBLASTX:Maize
Start	4405	End	8106
GI	none	Score	183
Exons	4405..4536, 4406..4552, 4424..4552, 4685..4714, 4721..4864, 4721..4780, 4729..4845, 4934..5089, 4935..5090, 4964..5095, 4966..5094, 5186..5332, 5187..5333, 5874..6023, 5878..6027, 5880..6026, 6137..6256, 6138..6254, 6339..6452, 6340..6507, 7738..7935, 7800..7859, 7918..8106, 7935..8045		

Seq. No.	9843	Seq. ID	OJ000119_14.0208.C7
Gene No.	20957	Strand	-
Start	8944	End	10262
Name	OJ000119_14.0208.C7.o1.tc	Method	TBLASTX:Cress
Start	4415	End	8100
GI	none	Score	122
Exons	4415..4546, 4438..4527, 4598..4624, 4721..4861, 4964..5095, 4972..5094, 5186..5335, 5187..5327, 5871..6026, 5872..6027,		

6023..6115, 6137..6280, 6138..6251, 7765..7917, 7930..8100, 7959..8045

Seq. No.	9843	Seq. ID	OJ000119_14.0208.C7
Gene No.	20957	Strand	-
Start	8944	End	10262
Name	OJ000119_14.0208.C7.o2.tw	Method	TBLASTX:Wheat
Start	4760	End	5288
GI	none	Score	107
Exons	4760..4864, 4774..4845, 4964..5095, 4966..5094, 5186..5287, 5187..5288		

Seq. No.	9843	Seq. ID	OJ000119_14.0208.C7
Gene No.	20957	Strand	-
Start	8944	End	10262
Name	OJ000119_14.0208.C7.o3.tw	Method	TBLASTX:Wheat
Start	5289	End	6027
GI	none	Score	77
Exons	5289..5327, 5871..6026, 5872..6027		

Seq. No.	9843	Seq. ID	OJ000119_14.0208.C7
Gene No.	20957	Strand	-
Start	8944	End	10262
Name	OJ000119_14.0208.C7.o1.tw	Method	TBLASTX:Wheat
Start	6391	End	8100
GI	none	Score	58
Exons	6391..6480, 7780..8037, 7800..7862, 7903..7947, 7935..8036, 8044..8100		

Seq. No.	9843	Seq. ID	OJ000119_14.0208.C7
Gene No.	20957	Strand	-
Start	8944	End	10262
Name	OJ000119_14.0208.C7.o2.tm	Method	TBLASTX:Maize
Start	8608	End	10238
GI	none	Score	56
Exons	8608..8700, 8792..8833, 8792..8824, 8924..9067, 8925..9074, 8944..9114, 9095..9211, 9135..9212, 9152..9256, 10083..10136, 10085..10135, 10166..10231, 10167..10238		

Seq. No.	9843	Seq. ID	OJ000119_14.0208.C7
Gene No.	20957	Strand	-
Start	8944	End	10262
Name	OJ000119_14.0208.C7.o5.gp	Method	AAT/GAP
Start	8944	End	10262
GI	44656_1.R1084	Score	769
Exons	8944..9209, 10083..10262		
GI Descrip.	'3335347 1.0e-149 (AC004512) Contains similarity to ARI, RING finger protein gb_X98309 from Drosophila melanogaster. ESTs gb_T44383, gb_W43120, gb_N65868, gb_H36013, gb_AA042241, gb_T76869 and gb_AA042359 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	9843	Seq. ID	OJ000119_14.0208.C7
Gene No.	20957	Strand	-
Start	8944	End	10262
Name	OJ000119_14.0208.C7.o2.np	Method	AAT/NAP
Start	9050	End	10262

GI	629691	Score	167
Exons	9050..9209, 10083..10262		
GI Descrip.	hypothetical protein - common tobacco gi|506469|emb|CAA56188| (X79793) unnamed protein product [Nicotiana tabacum]		

Seq. No.	9843	Seq. ID	OJ000119_14.0208.C7
Gene No.	20957	Strand	-
Start	8944	End	10262
Name	OJ000119_14.0208.C7.o3.gs	Method	GENSCAN
Start	9080	End	10252
GI	none	Score	.61
Exons	9080..9209, 10083..10252		

Seq. No.	9844	Seq. ID	OJ000119_14.0208.C8
Gene No.	20958	Strand	-
Start	340	End	1211
Name	OJ000119_14.0208.C8.o1.gs	Method	GENSCAN
Start	340	End	1011
GI	none	Score	.78
Exons	340..354, 622..711, 921..1011		

Seq. No.	9844	Seq. ID	OJ000119_14.0208.C8
Gene No.	20958	Strand	-
Start	340	End	1211
Name	OJ000119_14.0208.C8.o1.tc	Method	TBLASTX:Cress
Start	621	End	1162
GI	none	Score	74
Exons	621..713, 622..714, 622..714, 627..719, 904..1011, 924..1022, 924..1025, 1099..1161, 1100..1162		

Seq. No.	9844	Seq. ID	OJ000119_14.0208.C8
Gene No.	20958	Strand	-
Start	340	End	1211
Name	OJ000119_14.0208.C8.o1.gp	Method	AAT/GAP
Start	622	End	1207
GI	44656_1.R1084	Score	515
Exons	622..711, 921..1011, 1100..1207		
GI Descrip.	'3335347 1.0e-149 (AC004512) Contains similarity to ARI, RING finger protein gb_X98309 from Drosophila melanogaster. ESTs gb_T44383, gb_W43120, gb_N65868, gb_H36013, gb_AA042241, gb_T76869 and gb_AA042359 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	9844	Seq. ID	OJ000119_14.0208.C8
Gene No.	20958	Strand	-
Start	340	End	1211
Name	OJ000119_14.0208.C8.o1.tm	Method	TBLASTX:Maize
Start	622	End	1211
GI	none	Score	91
Exons	622..711, 624..704, 625..711, 921..1025, 922..1011, 923..1033, 1099..1200, 1100..1207, 1137..1211		

Seq. No.	9844	Seq. ID	OJ000119_14.0208.C8
Gene No.	20958	Strand	-
Start	340	End	1211
Name	OJ000119_14.0208.C8.o1.ts	Method	TBLASTX:Soybean
Start	622	End	1207

GI	none	Score	70
Exons	622..711, 622..711, 627..725, 635..724, 904..1011, 921..1025, 1099..1200, 1100..1207, 1100..1207		

Seq. No.	9844	Seq. ID	OJ000119_14.0208.C8
Gene No.	20958	Strand	-
Start	340	End	1211
Name	OJ000119_14.0208.C8.o1.np	Method	AAT/NAP
Start	622	End	1208
GI	1666171	Score	399
Exons	622..711, 921..1011, 1100..1208		
GI Descrip.	(Y09105) unknown [Nicotiana plumbaginifolia]		

Seq. No.	9845	Seq. ID	OJ000119_14.0208.C9
Gene No.	20959	Strand	+
Start	66	End	190
Name	OJ000119_14.0208.C9.o1.gp	Method	AAT/GAP
Start	66	End	190
GI	2312418	Score	202
Exons	66..190		
GI Descrip.	3335347 9.0e-24 (AC004512) Contains similarity to ARI, RING finger protein gb_X98309 from Drosophila melanogaster. ESTs gb_T44383, gb_W43120, gb_N65868, gb_H36013, gb_AA042241, gb_T76869 and gb_AA042359 come from this gene. [Arabidopsis thaliana]		

Seq. No.	9845	Seq. ID	OJ000119_14.0208.C9
Gene No.	20960	Strand	-
Start	1	End	209
Name	OJ000119_14.0208.C9.o1.np	Method	AAT/NAP
Start	1	End	192
GI	3335347	Score	65
Exons	1..192		
GI Descrip.	(AC004512) Contains similarity to ARI, RING finger protein gb|X98309 from Drosophila melanogaster. ESTs gb|T44383, gb|W43120, gb|N65868, gb|H36013, gb|AA042241, gb|T76869 and gb|AA042359 come from this gene. [Arabidopsis thaliana]		

Seq. No.	9845	Seq. ID	OJ000119_14.0208.C9
Gene No.	20960	Strand	-
Start	1	End	209
Name	OJ000119_14.0208.C9.o1.gs	Method	GENSCAN
Start	67	End	209
GI	none	Score	.87
Exons	67..209		

Seq. No.	9846	Seq. ID	OJ000119_14.0208.C11
Gene No.	20961	Strand	-
Start	1	End	1749
Name	OJ000119_14.0208.C11.o1.np	Method	AAT/NAP
Start	1	End	1749
GI	1705463	Score	676
Exons	1..91, 220..455, 805..911, 1087..1283, 1695..1749		
GI Descrip.	BIOTIN SYNTHASE (BIOTIN SYNTHETASE) gi|2129547|pir||S71201 biotin sythase - Arabidopsis thaliana gi|1045316 (U24147) biotin sythase [Arabidopsis thaliana] gi|1403662 (U31806) BIO2 protein [Arabidopsis thaliana] gi|1769457 (L34413) biotin synthase		

[Arabidopsis thaliana] gi|2288983|gb|AAB64312.1| (AC002335) biotin synthase (Bio B) [Arabidopsis thaliana] gi|1589016|pr

Seq. No.	9846	Seq. ID	OJ000119_14.0208.C11
Gene No.	20961	Strand	-
Start	1	End	1749
Name	OJ000119_14.0208.C11.o1.gp	Method	AAT/GAP
Start	238	End	392
GI	LIB3432-015-P1-K1-A8	Score	243
Exons	238..392		
GI Descrip.	'1705463/sp|P54967|BIOB_ARATH 1.0e-51 BIOTIN SYNTHASE (BIOTIN SYNTHETASE) >gi_2129547_pir__S71201 biotin sythase - Arabidopsis thaliana >gi_1045316 (U24147) biotin sythase [Arabidopsis thaliana] >gi_1403662 (U31806) BIO2 protein [Arabidopsis thaliana] >gi_1769457 (L34413) biotin synthase [Arabidopsis thaliana] >gi_2288983 (AC002335) biotin synthase (Bio B) [Arabidopsis thalian'		

Seq. No.	9846	Seq. ID	OJ000119_14.0208.C11
Gene No.	20961	Strand	-
Start	1	End	1749
Name	OJ000119_14.0208.C11.o1.tc	Method	TBLASTX:Cress
Start	248	End	1266
GI	none	Score	139
Exons	248..472, 249..458, 804..914, 805..912, 816..941, 1088..1234, 1093..1266, 1105..1266		

Seq. No.	9846	Seq. ID	OJ000119_14.0208.C11
Gene No.	20961	Strand	-
Start	1	End	1749
Name	OJ000119_14.0208.C11.o1.ts	Method	TBLASTX:Soybean
Start	248	End	1268
GI	none	Score	159
Exons	248..457, 249..482, 804..1040, 805..912, 809..913, 1088..1234, 1093..1266, 1140..1268		

Seq. No.	9846	Seq. ID	OJ000119_14.0208.C11
Gene No.	20961	Strand	-
Start	1	End	1749
Name	OJ000119_14.0208.C11.o1.tm	Method	TBLASTX:Maize
Start	274	End	1266
GI	none	Score	183
Exons	274..453, 275..472, 276..458, 800..913, 804..1040, 805..912, 812..913, 1088..1234, 1093..1266		

Seq. No.	9847	Seq. ID	OJ000119_14.0208.C12
Gene No.	20962	Strand	-
Start	6590	End	6794
Name	OJ000119_14.0208.C12.o2.gs	Method	GENSCAN
Start	6590	End	6794
GI	none	Score	.69
Exons	6590..6794		

Seq. No.	9848	Seq. ID	OJ000119_14.0208.C13
Gene No.	20963	Strand	+
Start	516	End	573
Name	OJ000119_14.0208.C13.o1.gp	Method	AAT/GAP

Start	516	End	573
GI	LIB3431-030-P1-N1-G8	Score	80
Exons	516..573		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	9848	Seq. ID	OJ000119_14.0208.C13
Gene No.	20964	Strand	-
Start	59	End	134
Name	OJ000119_14.0208.C13.o1.gs	Method	GENSCAN
Start	59	End	134
GI	none	Score	.53
Exons	59..134		

Seq. No.	9849	Seq. ID	OJ000119_04.0208.C2
Gene No.	20965	Strand	+
Start	2519	End	3723
Name	OJ000119_04.0208.C2.o1.gs	Method	GENSCAN
Start	2519	End	3723
GI	none	Score	.69
Exons	2519..2604, 3213..3331, 3467..3723		

Seq. No.	9849	Seq. ID	OJ000119_04.0208.C2
Gene No.	20965	Strand	+
Start	2519	End	3723
Name	OJ000119_04.0208.C2.o1.np	Method	AAT/NAP
Start	3175	End	3717
GI	2146740	Score	350
Exons	3175..3717		
GI Descrip.	inner mitochondrial membrane protein - Arabidopsis thaliana gi|603056 (U18126) inner mitochondrial membrane protein [Arabidopsis thaliana] gi|6648153|gb|AAF21153.1|AC010926_5 (AC010926) inner mitochondrial membrane protein [Arabidopsis thaliana]		

Seq. No.	9849	Seq. ID	OJ000119_04.0208.C2
Gene No.	20966	Strand	+
Start	6863	End	7459
Name	OJ000119_04.0208.C2.o3.gs	Method	GENSCAN
Start	6863	End	7294
GI	none	Score	.8
Exons	6863..7294		

Seq. No.	9849	Seq. ID	OJ000119_04.0208.C2
Gene No.	20966	Strand	+
Start	6863	End	7459
Name	OJ000119_04.0208.C2.o1.gp	Method	AAT/GAP
Start	7021	End	7459
GI	LIB3433-030-P1-K1-A8	Score	726
Exons	7021..7459		
GI Descrip.	'6015437/dbj|AB008112.1|AB008112 5.0e-10 Homo sapiens PEX1 mRNA, complete cds'		

Seq. No.	9849	Seq. ID	OJ000119_04.0208.C2
Gene No.	20967	Strand	+
Start	9876	End	10547
Name	OJ000119_04.0208.C2.o4.gs	Method	GENSCAN

Start	9876	End	10547
GI	none	Score	.55
Exons	9876..9914, 10386..10547		

Seq. No.	9849	Seq. ID	OJ000119_04.0208.C2
Gene No.	20968	Strand	+
Start	11814	End	12043
Name	OJ000119_04.0208.C2.o2.gp	Method	AAT/GAP
Start	11814	End	12043
GI	3759961	Score	415
Exons	11814..12043		

Seq. No.	9849	Seq. ID	OJ000119_04.0208.C2
Gene No.	20969	Strand	+
Start	13850	End	15275
Name	OJ000119_04.0208.C2.o4.np	Method	AAT/NAP
Start	13850	End	15275
GI	5852084	Score	79
Exons	13850..13873, 15186..15275		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	9849	Seq. ID	OJ000119_04.0208.C2
Gene No.	20970	Strand	+
Start	19719	End	19965
Name	OJ000119_04.0208.C2.o8.gs	Method	GENSCAN
Start	19719	End	19965
GI	none	Score	.8
Exons	19719..19749, 19751..19965		

Seq. No.	9849	Seq. ID	OJ000119_04.0208.C2
Gene No.	20971	Strand	+
Start	19879	End	25675
Name	OJ000119_04.0208.C2.o6.np	Method	AAT/NAP
Start	19879	End	25675
GI	2827555	Score	231
Exons	19879..19961, 21064..21205, 21476..21555, 22310..22669, 25639..25675		
GI Descrip.	(AL021635) Translation factor EF-1 alpha - like protein [Arabidopsis thaliana]		

Seq. No.	9849	Seq. ID	OJ000119_04.0208.C2
Gene No.	20971	Strand	+
Start	19879	End	25675
Name	OJ000119_04.0208.C2.o9.gs	Method	GENSCAN
Start	20240	End	21582
GI	none	Score	.43
Exons	20240..20347, 20399..20796, 20837..21086, 21204..21306, 21425..21582		

Seq. No.	9849	Seq. ID	OJ000119_04.0208.C2
Gene No.	20971	Strand	+
Start	19879	End	25675
Name	OJ000119_04.0208.C2.o10.gs	Method	GENSCAN
Start	22328	End	22696
GI	none	Score	.91
Exons	22328..22696		

Seq. No.	9849	Seq. ID	OJ000119_04.0208.C2
Gene No.	20972	Strand	-
Start	4646	End	5080
Name	OJ000119_04.0208.C2.o2.gs	Method	GENSCAN
Start	4646	End	5080
GI	none	Score	.88
Exons	4646..5080		

Seq. No.	9849	Seq. ID	OJ000119_04.0208.C2
Gene No.	20973	Strand	-
Start	12138	End	13375
Name	OJ000119_04.0208.C2.o5.gs	Method	GENSCAN
Start	12138	End	12632
GI	none	Score	.99
Exons	12138..12632		

Seq. No.	9849	Seq. ID	OJ000119_04.0208.C2
Gene No.	20973	Strand	-
Start	12138	End	13375
Name	OJ000119_04.0208.C2.o2.np	Method	AAT/NAP
Start	12141	End	13375
GI	4455270	Score	364
Exons	12141..12467, 13301..13375		
GI Descrip.	(AL035527) putative protein [Arabidopsis thaliana]		

Seq. No.	9849	Seq. ID	OJ000119_04.0208.C2
Gene No.	20973	Strand	-
Start	12138	End	13375
Name	OJ000119_04.0208.C2.o3.gp	Method	AAT/GAP
Start	12220	End	12681
GI	none	Score	881
Exons	12220..12681		

Seq. No.	9849	Seq. ID	OJ000119_04.0208.C2
Gene No.	20974	Strand	-
Start	18290	End	18931
Name	OJ000119_04.0208.C2.o5.np	Method	AAT/NAP
Start	18281	End	18781
GI	3810594	Score	367
Exons	18281..18781		
GI Descrip.	(AC005398) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	9849	Seq. ID	OJ000119_04.0208.C2
Gene No.	20974	Strand	-
Start	18290	End	18931
Name	OJ000119_04.0208.C2.o7.gs	Method	GENSCAN
Start	18290	End	18931
GI	none	Score	.55
Exons	18290..18931		

Seq. No.	9849	Seq. ID	OJ000119_04.0208.C2
Gene No.	20975	Strand	-
Start	23591	End	26706
Name	OJ000119_04.0208.C2.o1.tm	Method	TBLASTX:Maize
Start	3223	End	3524
GI	none	Score	131
Exons	3223..3306, 3228..3311, 3301..3420, 3328..3369, 3370..3432,		

3417..3473, 3420..3464, 3467..3517, 3467..3517, 3483..3524

Seq. No.	9849	Seq. ID	OJ000119_04.0208.C2
Gene No.	20975	Strand	-
Start	23591	End	26706
Name	OJ000119_04.0208.C2.o1.ts	Method	TBLASTX:Soybean
Start	3229	End	3714
GI	none	Score	91
Exons	3229..3306, 3231..3311, 3325..3378, 3419..3469, 3420..3470, 3467..3517, 3522..3713, 3523..3714		

Seq. No.	9849	Seq. ID	OJ000119_04.0208.C2
Gene No.	20975	Strand	-
Start	23591	End	26706
Name	OJ000119_04.0208.C2.o1.tc	Method	TBLASTX:Cress
Start	3265	End	3714
GI	none	Score	52
Exons	3265..3306, 3301..3378, 3420..3467, 3522..3713, 3523..3714		

Seq. No.	9849	Seq. ID	OJ000119_04.0208.C2
Gene No.	20975	Strand	-
Start	23591	End	26706
Name	OJ000119_04.0208.C2.o2.tm	Method	TBLASTX:Maize
Start	3537	End	3723
GI	none	Score	82
Exons	3537..3611, 3537..3719, 3538..3723, 3538..3720		

Seq. No.	9849	Seq. ID	OJ000119_04.0208.C2
Gene No.	20975	Strand	-
Start	23591	End	26706
Name	OJ000119_04.0208.C2.o4.tm	Method	TBLASTX:Maize
Start	13540	End	13910
GI	none	Score	70
Exons	13540..13614, 13679..13903, 13764..13910		

Seq. No.	9849	Seq. ID	OJ000119_04.0208.C2
Gene No.	20975	Strand	-
Start	23591	End	26706
Name	OJ000119_04.0208.C2.o3.ts	Method	TBLASTX:Soybean
Start	18344	End	18766
GI	none	Score	65
Exons	18344..18415, 18467..18511, 18608..18727, 18609..18728, 18701..18766		

Seq. No.	9849	Seq. ID	OJ000119_04.0208.C2
Gene No.	20975	Strand	-
Start	23591	End	26706
Name	OJ000119_04.0208.C2.o2.tc	Method	TBLASTX:Cress
Start	22427	End	22669
GI	none	Score	67
Exons	22427..22483, 22498..22650, 22499..22669		

Seq. No.	9849	Seq. ID	OJ000119_04.0208.C2
Gene No.	20975	Strand	-
Start	23591	End	26706
Name	OJ000119_04.0208.C2.o2.ts	Method	TBLASTX:Soybean
Start	22427	End	22669

GI	none	Score	65
Exons	22427..22477, 22499..22669		

Seq. No.	9849	Seq. ID	OJ000119_04.0208.C2
Gene No.	20975	Strand	-
Start	23591	End	26706
Name	OJ000119_04.0208.C2.o3.tm	Method	TBLASTX:Maize
Start	22501	End	22676
GI	none	Score	213
Exons	22501..22671, 22502..22669, 22538..22675, 22551..22676		

Seq. No.	9849	Seq. ID	OJ000119_04.0208.C2
Gene No.	20975	Strand	-
Start	23591	End	26706
Name	OJ000119_04.0208.C2.o4.gp	Method	AAT/GAP
Start	23361	End	25481
GI	57451_1.R1084	Score	743
Exons	23361..23708, 25366..25481		
GI Descrip.	'5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]'		

Seq. No.	9849	Seq. ID	OJ000119_04.0208.C2
Gene No.	20975	Strand	-
Start	23591	End	26706
Name	OJ000119_04.0208.C2.o11.gs	Method	GENSCAN
Start	23591	End	26706
GI	none	Score	.48
Exons	23591..23708, 25367..25507, 26441..26706		

Seq. No.	9850	Seq. ID	OJ000119_04.0208.C3
Gene No.	20976	Strand	+
Start	861	End	3211
Name	OJ000119_04.0208.C3.o1.gs	Method	GENSCAN
Start	861	End	3211
GI	none	Score	.73
Exons	861..1095, 2138..2292, 2993..3211		

Seq. No.	9850	Seq. ID	OJ000119_04.0208.C3
Gene No.	20976	Strand	+
Start	861	End	3211
Name	OJ000119_04.0208.C3.o1.gp	Method	AAT/GAP
Start	2011	End	2091
GI	38012_1.R1084	Score	103
Exons	2011..2091		
GI Descrip.	'4097947/gb|U72255|OSU72255 2.0e-23 Oryza sativa beta-1,3-glucanase precursor (Gns9) gene, complete cds'		

Seq. No.	9851	Seq. ID	OJ000119_04.0208.C4
Gene No.	20977	Strand	+
Start	1	End	1758
Name	OJ000119_04.0208.C4.o1.gp	Method	AAT/GAP
Start	1	End	1758
GI	342_1.R1084	Score	3251
Exons	1..1758		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	9851	Seq. ID	OJ000119_04.0208.C4
Gene No.	20977	Strand	+
Start	1	End	1758
Name	OJ000119_04.0208.C4.o1.np	Method	AAT/NAP
Start	1	End	1034
GI	4680203	Score	984
Exons	1..1034		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	9851	Seq. ID	OJ000119_04.0208.C4
Gene No.	20977	Strand	+
Start	1	End	1758
Name	OJ000119_04.0208.C4.o1.tc	Method	TBLASTX:Cress
Start	2	End	399
GI	none	Score	309
Exons	2..292, 3..398, 6..398, 148..399		

Seq. No.	9851	Seq. ID	OJ000119_04.0208.C4
Gene No.	20977	Strand	+
Start	1	End	1758
Name	OJ000119_04.0208.C4.o1.tw	Method	TBLASTX:Wheat
Start	2	End	980
GI	none	Score	484
Exons	2..292, 3..581, 249..566, 576..620, 579..620, 623..718, 627..686, 665..805, 666..806, 819..899, 888..980, 914..979		

Seq. No.	9851	Seq. ID	OJ000119_04.0208.C4
Gene No.	20977	Strand	+
Start	1	End	1758
Name	OJ000119_04.0208.C4.o1.gs	Method	GENSCAN
Start	18	End	1055
GI	none	Score	.75
Exons	18..143, 465..1055		

Seq. No.	9852	Seq. ID	OJ000119_04.0208.C5
Gene No.	20978	Strand	+
Start	176	End	3898
Name	OJ000119_04.0208.C5.o1.gs	Method	GENSCAN
Start	176	End	3848
GI	none	Score	.53
Exons	176..647, 1694..1993, 2021..2219, 2334..2627, 2669..2968, 3014..3133, 3229..3370, 3547..3640, 3679..3848		

Seq. No.	9852	Seq. ID	OJ000119_04.0208.C5
Gene No.	20978	Strand	+
Start	176	End	3898
Name	OJ000119_04.0208.C5.o1.np	Method	AAT/NAP
Start	1698	End	3382
GI	4680204	Score	779
Exons	1698..3133, 3229..3382		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	9852	Seq. ID	OJ000119_04.0208.C5
Gene No.	20978	Strand	+
Start	176	End	3898
Name	OJ000119_04.0208.C5.o2.np	Method	AAT/NAP
Start	1698	End	3898

GI	4680204	Score	913
Exons	1698..3133, 3229..3898		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	9852	Seq. ID	OJ000119_04.0208.C5
Gene No.	20978	Strand	+
Start	176	End	3898
Name	OJ000119_04.0208.C5.o1.tw	Method	TBLASTX:Wheat
Start	2339	End	2743
GI	none	Score	62
Exons	2339..2584, 2341..2481, 2343..2579, 2648..2743		

Seq. No.	9852	Seq. ID	OJ000119_04.0208.C5
Gene No.	20978	Strand	+
Start	176	End	3898
Name	OJ000119_04.0208.C5.o1.gp	Method	AAT/GAP
Start	3745	End	3898
GI	uC-osflcyp176f10b1	Score	244
Exons	3745..3898		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	9853	Seq. ID	OJ000119_04.0208.C6
Gene No.	20979	Strand	+
Start	17	End	939
Name	OJ000119_04.0208.C6.o1.gs	Method	GENSCAN
Start	17	End	939
GI	none	Score	.98
Exons	17..114, 211..321, 406..478, 751..939		

Seq. No.	9854	Seq. ID	OJ000119_04.0208.C7
Gene No.	20980	Strand	-
Start	71	End	357
Name	OJ000119_04.0208.C7.o1.gp	Method	AAT/GAP
Start	71	End	357
GI	3761679	Score	283
Exons	71..148, 240..357		
GI Descrip.	5042437/gb|AC007789.1|AC007789 1.0e-29 Oryza sativa BAC T49B20 genomic sequence, complete sequence		

Seq. No.	9855	Seq. ID	OJ000119_04.0208.C8
Gene No.	20981	Strand	+
Start	2454	End	2849
Name	OJ000119_04.0208.C8.o1.gs	Method	GENSCAN
Start	2454	End	2849
GI	none	Score	.95
Exons	2454..2849		

Seq. No.	9855	Seq. ID	OJ000119_04.0208.C8
Gene No.	20982	Strand	+
Start	28728	End	30270
Name	OJ000119_04.0208.C8.o6.gs	Method	GENSCAN
Start	28728	End	30270
GI	none	Score	.95
Exons	28728..29446, 29550..30270		

Seq. No.	9855	Seq. ID	OJ000119_04.0208.C8
Gene No.	20983	Strand	+
Start	32148	End	32460
Name	OJ000119_04.0208.C8.o2.np	Method	AAT/NAP
Start	32148	End	32460
GI	3193290	Score	127
Exons	32148..32460		
GI Descrip.	(AF069298) contains similarity to a protein kinase domain (Pfam: pkinase.hmm, score: 165.48), to legume lectins beta domain (Pfam: lectin_legB.hmm, score: 125.64) and legume lectins alpha domain (Pfam: lectin_legA.hmm, score: 16.72) [Arabido...		

Seq. No.	9855	Seq. ID	OJ000119_04.0208.C8
Gene No.	20984	Strand	+
Start	33013	End	33112
Name	OJ000119_04.0208.C8.o1.gp	Method	AAT/GAP
Start	33013	End	33112
GI	LIB3477-003-P1-K1-E9	Score	141
Exons	33013..33112		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	9855	Seq. ID	OJ000119_04.0208.C8
Gene No.	20985	Strand	+
Start	34352	End	41901
Name	OJ000119_04.0208.C8.o4.np	Method	AAT/NAP
Start	34352	End	41901
GI	6815103	Score	217
Exons	34352..34473, 37331..37387, 40951..41262, 41477..41700, 41846..41901		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	9855	Seq. ID	OJ000119_04.0208.C8
Gene No.	20985	Strand	+
Start	34352	End	41901
Name	OJ000119_04.0208.C8.o3.np	Method	AAT/NAP
Start	35607	End	36915
GI	5777617	Score	97
Exons	35607..35748, 36791..36915		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	9855	Seq. ID	OJ000119_04.0208.C8
Gene No.	20985	Strand	+
Start	34352	End	41901
Name	OJ000119_04.0208.C8.o8.gs	Method	GENSCAN
Start	39355	End	41678
GI	none	Score	.8
Exons	39355..39434, 39796..40384, 40946..41262, 41522..41678		

Seq. No.	9855	Seq. ID	OJ000119_04.0208.C8
Gene No.	20986	Strand	-
Start	4377	End	5697
Name	OJ000119_04.0208.C8.o2.gs	Method	GENSCAN
Start	4377	End	5697
GI	none	Score	.49
Exons	4377..4554, 5247..5365, 5374..5697		

Seq. No.	9855	Seq. ID	OJ000119_04.0208.C8
Gene No.	20987	Strand	-
Start	21774	End	27550
Name	OJ000119_04.0208.C8.o1.np	Method	AAT/NAP
Start	21774	End	26050
GI	5734736	Score	2815
Exons	21774..23374, 23539..25070, 25146..25432, 25475..26050		
GI Descrip.	(AC007259) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	9855	Seq. ID	OJ000119_04.0208.C8
Gene No.	20987	Strand	-
Start	21774	End	27550
Name	OJ000119_04.0208.C8.o5.gs	Method	GENSCAN
Start	21800	End	27550
GI	none	Score	.57
Exons	21800..22510, 22631..25843, 26573..26651, 26987..27066, 27509..27550		

Seq. No.	9855	Seq. ID	OJ000119_04.0208.C8
Gene No.	20988	Strand	-
Start	32095	End	38752
Name	OJ000119_04.0208.C8.o6.tw	Method	TBLASTX:Wheat
Start	5160	End	29447
GI	none	Score	65
Exons	5160..5285, 5278..5358, 5279..5359, 7894..8031, 8009..8089, 29241..29447, 29246..29425		

Seq. No.	9855	Seq. ID	OJ000119_04.0208.C8
Gene No.	20988	Strand	-
Start	32095	End	38752
Name	OJ000119_04.0208.C8.o7.tm	Method	TBLASTX:Maize
Start	8258	End	29084
GI	none	Score	75
Exons	8258..8350, 8259..8351, 8384..8518, 8387..8515, 8520..8603, 28734..28985, 28913..28984, 28988..29083, 28989..29084		

Seq. No.	9855	Seq. ID	OJ000119_04.0208.C8
Gene No.	20988	Strand	-
Start	32095	End	38752
Name	OJ000119_04.0208.C8.o6.tm	Method	TBLASTX:Maize
Start	13928	End	14425
GI	none	Score	70
Exons	13928..14035, 13939..13968, 13988..14008, 14024..14131, 14031..14105, 14156..14314, 14158..14313, 14328..14390, 14363..14425		

Seq. No.	9855	Seq. ID	OJ000119_04.0208.C8
Gene No.	20988	Strand	-
Start	32095	End	38752
Name	OJ000119_04.0208.C8.o7.tw	Method	TBLASTX:Wheat
Start	14156	End	14425
GI	none	Score	158
Exons	14156..14305, 14158..14304, 14328..14345, 14345..14401, 14351..14425		

Seq. No.	9855	Seq. ID	OJ000119_04.0208.C8

Gene No.	20988	Strand	-
Start	32095	End	38752
Name	OJ000119_04.0208.C8.o4.tw	Method	TBLASTX:Wheat
Start	16404	End	28332
GI	none	Score	58
Exons	16404..16460, 16414..16461, 25520..25915, 28237..28332		

Seq. No.	9855	Seq. ID	OJ000119_04.0208.C8
Gene No.	20988	Strand	-
Start	32095	End	38752
Name	OJ000119_04.0208.C8.o3.ts	Method	TBLASTX:Soybean
Start	21810	End	22459
GI	none	Score	120
Exons	21810..22193, 21812..22285, 22298..22459		

Seq. No.	9855	Seq. ID	OJ000119_04.0208.C8
Gene No.	20988	Strand	-
Start	32095	End	38752
Name	OJ000119_04.0208.C8.o1.tc	Method	TBLASTX:Cress
Start	21818	End	22492
GI	none	Score	92
Exons	21818..22069, 21819..22070, 22065..22193, 22067..22192, 22187..22480, 22284..22481, 22376..22492		

Seq. No.	9855	Seq. ID	OJ000119_04.0208.C8
Gene No.	20988	Strand	-
Start	32095	End	38752
Name	OJ000119_04.0208.C8.o5.tm	Method	TBLASTX:Maize
Start	21822	End	22204
GI	none	Score	113
Exons	21822..22172, 21860..22204, 21965..22198		

Seq. No.	9855	Seq. ID	OJ000119_04.0208.C8
Gene No.	20988	Strand	-
Start	32095	End	38752
Name	OJ000119_04.0208.C8.o5.tw	Method	TBLASTX:Wheat
Start	21848	End	22294
GI	none	Score	87
Exons	21848..22066, 21852..22046, 22064..22294		

Seq. No.	9855	Seq. ID	OJ000119_04.0208.C8
Gene No.	20988	Strand	-
Start	32095	End	38752
Name	OJ000119_04.0208.C8.o2.tm	Method	TBLASTX:Maize
Start	22346	End	22768
GI	none	Score	100
Exons	22346..22768, 22350..22580, 22379..22762		

Seq. No.	9855	Seq. ID	OJ000119_04.0208.C8
Gene No.	20988	Strand	-
Start	32095	End	38752
Name	OJ000119_04.0208.C8.o1.tw	Method	TBLASTX:Wheat
Start	22628	End	23168
GI	none	Score	115
Exons	22628..22837, 22823..23167, 22827..23009, 23034..23168		

Seq. No.	9855	Seq. ID	OJ000119_04.0208.C8

Gene No.	20988	Strand	-
Start	32095	End	38752
Name	OJ000119_04.0208.C8.o1.ts	Method	TBLASTX:Soybean
Start	22832	End	23347
GI	5509260	Score	104
Exons	22832..23347, 22854..23009, 23067..23246		
GI Descrip.	-		

Seq. No.	9855	Seq. ID	OJ000119_04.0208.C8
Gene No.	20988	Strand	-
Start	32095	End	38752
Name	OJ000119_04.0208.C8.o3.tc	Method	TBLASTX:Cress
Start	22949	End	23213
GI	none	Score	139
Exons	22949..23212, 22968..23213		

Seq. No.	9855	Seq. ID	OJ000119_04.0208.C8
Gene No.	20988	Strand	-
Start	32095	End	38752
Name	OJ000119_04.0208.C8.o3.tm	Method	TBLASTX:Maize
Start	22988	End	23305
GI	none	Score	191
Exons	22988..23305, 22989..23213, 23000..23296		

Seq. No.	9855	Seq. ID	OJ000119_04.0208.C8
Gene No.	20988	Strand	-
Start	32095	End	38752
Name	OJ000119_04.0208.C8.o2.ts	Method	TBLASTX:Soybean
Start	23726	End	24202
GI	none	Score	97
Exons	23726..24190, 23726..24202, 23901..24194		

Seq. No.	9855	Seq. ID	OJ000119_04.0208.C8
Gene No.	20988	Strand	-
Start	32095	End	38752
Name	OJ000119_04.0208.C8.o2.tc	Method	TBLASTX:Cress
Start	23741	End	24187
GI	none	Score	273
Exons	23741..24187		

Seq. No.	9855	Seq. ID	OJ000119_04.0208.C8
Gene No.	20988	Strand	-
Start	32095	End	38752
Name	OJ000119_04.0208.C8.o1.tm	Method	TBLASTX:Maize
Start	23804	End	24229
GI	none	Score	92
Exons	23804..23875, 23881..24144, 23886..24152, 23888..24229, 23898..24215		

Seq. No.	9855	Seq. ID	OJ000119_04.0208.C8
Gene No.	20988	Strand	-
Start	32095	End	38752
Name	OJ000119_04.0208.C8.o2.tw	Method	TBLASTX:Wheat
Start	23876	End	24421
GI	none	Score	48
Exons	23876..23965, 23898..23966, 23975..24421, 23988..24260		

Seq. No.	9855	Seq. ID	OJ000119_04.0208.C8
Gene No.	20988	Strand	-
Start	32095	End	38752
Name	OJ000119_04.0208.C8.o4.ts	Method	TBLASTX:Soybean
Start	24242	End	24571
GI	none	Score	231
Exons	24242..24571		

Seq. No.	9855	Seq. ID	OJ000119_04.0208.C8
Gene No.	20988	Strand	-
Start	32095	End	38752
Name	OJ000119_04.0208.C8.o3.tw	Method	TBLASTX:Wheat
Start	24509	End	24965
GI	none	Score	54
Exons	24509..24595, 24594..24641, 24744..24965	24596..24703, 24719..24964,	

Seq. No.	9855	Seq. ID	OJ000119_04.0208.C8
Gene No.	20988	Strand	-
Start	32095	End	38752
Name	OJ000119_04.0208.C8.o8.tm	Method	TBLASTX:Maize
Start	24575	End	24985
GI	none	Score	55
Exons	24575..24706, 24579..24707, 24767..24985, 24810..24950		

Seq. No.	9855	Seq. ID	OJ000119_04.0208.C8
Gene No.	20988	Strand	-
Start	32095	End	38752
Name	OJ000119_04.0208.C8.o4.tm	Method	TBLASTX:Maize
Start	25406	End	25795
GI	none	Score	51
Exons	25406..25489, 25407..25475, 25586..25795, 25592..25795	25469..25579, 25470..25580,	

Seq. No.	9855	Seq. ID	OJ000119_04.0208.C8
Gene No.	20988	Strand	-
Start	32095	End	38752
Name	OJ000119_04.0208.C8.o7.gs	Method	GENSCAN
Start	32095	End	38752
GI	none	Score	.47
Exons	32095..32359, 32471..32669, 33322..33461, 34363..34511, 36172..36304, 36991..37637, 37931..38093, 38166..38270, 38297..38383, 38745..38752		

Seq. No.	9855	Seq. ID	OJ000119_04.0208.C8
Gene No.	20988	Strand	-
Start	32095	End	38752
Name	OJ000119_04.0208.C8.o4.tc	Method	TBLASTX:Cress
Start	32146	End	32448
GI	none	Score	135
Exons	32146..32283, 32151..32279, 32355..32447, 32356..32448		

Seq. No.	9856	Seq. ID	OJ000119_07.0209.C1
Gene No.	20989	Strand	+
Start	5068	End	9239
Name	OJ000119_07.0209.C1.o2.gs	Method	GENSCAN
Start	5068	End	9075

GI	none	Score	.8
Exons	5068..5071, 5745..5989, 7283..7531, 7633..7827, 8512..9075		

Seq. No.	9856	Seq. ID	OJ000119_07.0209.C1
Gene No.	20989	Strand	+
Start	5068	End	9239
Name	OJ000119_07.0209.C1.o1.gp	Method	AAT/GAP
Start	7265	End	8553
GI	uC-osroM202006b09b1	Score	920
Exons	7265..7531, 7633..7827, 8512..8553		
GI Descrip.	'571484 1.0e-39 (U16727) peroxidase precursor [Medicago truncatula]'		

Seq. No.	9856	Seq. ID	OJ000119_07.0209.C1
Gene No.	20989	Strand	+
Start	5068	End	9239
Name	OJ000119_07.0209.C1.o2.np	Method	AAT/NAP
Start	7310	End	9069
GI	571484	Score	797
Exons	7310..7531, 7633..7844, 8523..9069		
GI Descrip.	(U16727) peroxidase precursor [Medicago truncatula]		

Seq. No.	9856	Seq. ID	OJ000119_07.0209.C1
Gene No.	20989	Strand	+
Start	5068	End	9239
Name	OJ000119_07.0209.C1.o2.gp	Method	AAT/GAP
Start	8733	End	9239
GI	uC-osrocyp036g09b1	Score	977
Exons	8733..9239		
GI Descrip.	'5453379/gb|AAD43561.1|AF155124_1 7.0e-19 (AF155124) bacterial-induced peroxidase precursor [Gossypium hirsutum]'		

Seq. No.	9856	Seq. ID	OJ000119_07.0209.C1
Gene No.	20990	Strand	-
Start	146	End	1033
Name	OJ000119_07.0209.C1.o1.np	Method	AAT/NAP
Start	146	End	1021
GI	4433618	Score	202
Exons	146..636, 858..1021		
GI Descrip.	(AF107585) putative myosin heavy chain [Dendrobium grex Madame Thong-IN]		

Seq. No.	9856	Seq. ID	OJ000119_07.0209.C1
Gene No.	20990	Strand	-
Start	146	End	1033
Name	OJ000119_07.0209.C1.o1.gs	Method	GENSCAN
Start	148	End	1033
GI	none	Score	.81
Exons	148..636, 863..1033		

Seq. No.	9856	Seq. ID	OJ000119_07.0209.C1
Gene No.	20991	Strand	-
Start	9836	End	11385
Name	OJ000119_07.0209.C1.o3.gs	Method	GENSCAN
Start	9836	End	11382
GI	none	Score	.9
Exons	9836..10224, 10296..10461, 10748..10924, 11245..11382		

Seq. No.	9856	Seq. ID	OJ000119_07.0209.C1
Gene No.	20991	Strand	-
Start	9836	End	11385
Name	OJ000119_07.0209.C1.o3.np	Method	AAT/NAP
Start	9839	End	11385
GI	82613	Score	1166
Exons	9839..10224, 10296..10461, 10748..10924, 11179..11385		
GI Descrip.	peroxidase (EC 1.11.1.7) precursor, pathogen-induced - wheat gi|21829|emb|CAA39486| (X56011) peroxidase [Triticum aestivum]		

Seq. No.	9856	Seq. ID	OJ000119_07.0209.C1
Gene No.	20992	Strand	-
Start	12128	End	15762
Name	OJ000119_07.0209.C1.o4.gs	Method	GENSCAN
Start	12128	End	15695
GI	none	Score	.84
Exons	12128..12159, 12494..12592, 13755..13832, 14274..14353, 14386..14776, 14891..14990, 15053..15334, 15395..15435, 15485..15695		

Seq. No.	9856	Seq. ID	OJ000119_07.0209.C1
Gene No.	20992	Strand	-
Start	12128	End	15762
Name	OJ000119_07.0209.C1.o3.gp	Method	AAT/GAP
Start	14008	End	15762
GI	292_1.R1084	Score	2540
Exons	14008..14776, 14891..15059, 15161..15334, 15489..15762		
GI Descrip.	'2429290 1.0e-156 (AF014469) peroxidase [Oryza sativa]'		

Seq. No.	9856	Seq. ID	OJ000119_07.0209.C1
Gene No.	20992	Strand	-
Start	12128	End	15762
Name	OJ000119_07.0209.C1.o4.np	Method	AAT/NAP
Start	14385	End	15695
GI	2429290	Score	1480
Exons	14385..14776, 14891..15059, 15161..15334, 15489..15695		
GI Descrip.	(AF014469) peroxidase [Oryza sativa]		

Seq. No.	9856	Seq. ID	OJ000119_07.0209.C1
Gene No.	20993	Strand	-
Start	16937	End	25047
Name	OJ000119_07.0209.C1.o2.tm	Method	TBLASTX:Maize
Start	232	End	977
GI	none	Score	93
Exons	232..363, 233..364, 409..615, 914..976, 915..977		

Seq. No.	9856	Seq. ID	OJ000119_07.0209.C1
Gene No.	20993	Strand	-
Start	16937	End	25047
Name	OJ000119_07.0209.C1.o2.tw	Method	TBLASTX:Wheat
Start	7387	End	21335
GI	none	Score	107
Exons	7387..7530, 7388..7528, 7627..7701, 7632..7700, 7702..7776, 7711..7743, 7776..7814, 7777..7821, 10755..10847, 10778..10864, 10889..10930, 11179..11304, 11183..11290, 15167..15301, 15168..15329, 15489..15614, 15492..15599, 15493..15615,		

20947..21033, 21052..21099, 21209..21334, 21213..21335

Seq. No.	9856	Seq. ID	OJ000119_07.0209.C1
Gene No.	20993	Strand	-
Start	16937	End	25047
Name	OJ000119_07.0209.C1.o1.tm	Method	TBLASTX:Maize
Start	7391	End	25047
GI	none	Score	57

Exons 7391..7468, 7475..7528, 7475..7540, 7630..7662, 7714..7776, 7759..7830, 7773..7829, 8548..8742, 8851..8907, 8929..9069, 8983..9069, 9074..9175, 9839..10111, 9840..10115, 10077..10262, 10077..10226, 10106..10231, 10294..10389, 10295..10393, 10296..10397, 10375..10461, 10376..10462, 10734..10847, 10778..10900, 10898..10930, 11179..11238, 11180..11230, 11242..11304, 11243..11290, 11267..11350, 14380..14466, 14385..14570, 14385..14663, 14552..14656, 14655..14780, 14877..14984, 14878..14988, 15006..15092, 15010..15060, 15158..15271, 15159..15263, 15311..15337, 15488..15529, 15489..15545, 15489..15545, 15532..15648, 15546..15599, 15553..15660, 20168..20437, 20169..20435, 20402..20563, 20436..20558, 20451..20567, 20624..20773, 20625..20738, 20670..20810, 20699..20809, 20947..21027, 21067..21099, 21209..21268, 21210..21260, 21249..21380, 21273..21350, 24827..25015, 24828..25013, 24888..25016, 25011..25046, 25012..25047

Seq. No.	9856	Seq. ID	OJ000119_07.0209.C1
Gene No.	20993	Strand	-
Start	16937	End	25047
Name	OJ000119_07.0209.C1.o1.tc	Method	TBLASTX:Cress
Start	7394	End	21334
GI	none	Score	119

Exons 7394..7528, 7396..7527, 7627..7776, 7632..7742, 7774..7830, 7774..7833, 8512..8736, 8854..9015, 9034..9084, 9989..10108, 9990..10109, 10148..10225, 10167..10226, 10294..10461, 10379..10462, 10775..10891, 10889..10930, 11179..11304, 14442..14462, 14535..14711, 14700..14777, 14749..14778, 14877..15023, 14878..14925, 15003..15059, 15007..15060, 15158..15328, 15489..15626, 20220..20324, 20224..20241, 20321..20491, 20328..20462, 20480..20563, 20520..20558, 20636..20833, 20947..21060, 21031..21099, 21209..21334, 21210..21317

Seq. No.	9856	Seq. ID	OJ000119_07.0209.C1
Gene No.	20993	Strand	-
Start	16937	End	25047
Name	OJ000119_07.0209.C1.o1.ts	Method	TBLASTX:Soybean
Start	7394	End	25015
GI	none	Score	155

Exons 7394..7528, 7405..7527, 7627..7776, 7632..7775, 7773..7823, 7774..7824, 8512..8601, 8590..8742, 8929..9069, 9842..10150, 9843..10109, 10106..10231, 10107..10229, 10294..10383, 10375..10461, 10752..10883, 10778..10891, 10901..10930, 11179..11304, 11183..11290, 14388..14780, 14557..14661, 14708..14770, 14883..15059, 14887..15057, 15164..15307, 15165..15308, 15311..15337, 15489..15629, 15493..15669, 20145..20558, 20153..20563, 20636..20731, 20651..20716,

20711..20809, 20736..20807, 20947..21060, 21209..21334,
21213..21407, 24830..25015

Seq. No.	9856	Seq. ID	OJ000119_07.0209.C1
Gene No.	20993	Strand	-
Start	16937	End	25047
Name	OJ000119_07.0209.C1.o1.tw	Method	TBLASTX:Wheat
Start	8514	End	25046
GI	none	Score	214

Exons 8514..8693, 8515..8742, 9983..10105, 9999..10106, 10103..10219,
10103..10231, 10294..10458, 10295..10459, 14529..14660,
14647..14778, 14655..14780, 14877..15023, 14878..15006,
14997..15056, 15007..15057, 20309..20440, 20313..20441,
20427..20585, 20435..20563, 20642..20806, 20643..20807,
24971..25015, 25011..25046

Seq. No.	9856	Seq. ID	OJ000119_07.0209.C1
Gene No.	20993	Strand	-
Start	16937	End	25047
Name	OJ000119_07.0209.C1.o5.gs	Method	GENSCAN
Start	16937	End	24991
GI	none	Score	.47

Exons 16937..17048, 17152..17242, 17628..17677, 18393..18448,
18601..18681, 18928..19139, 20020..20134, 20174..20556,
20644..20809, 20917..21093, 21242..21372, 24164..24236,
24836..24991

Seq. No.	9856	Seq. ID	OJ000119_07.0209.C1
Gene No.	20993	Strand	-
Start	16937	End	25047
Name	OJ000119_07.0209.C1.o4.gp	Method	AAT/GAP
Start	19872	End	21503
GI	292_3.R1084	Score	2551

Exons 19872..20556, 20644..20809, 20917..21093, 21209..21503
GI Descrip. '585662/sp|P37835|PER2_ORYSA 1.0e-154 PEROXIDASE PRECURSOR
>gi_303851_dbj_BAA03911_ (D16442) peroxidase [Oryza sativa]'

Seq. No.	9856	Seq. ID	OJ000119_07.0209.C1
Gene No.	20993	Strand	-
Start	16937	End	25047
Name	OJ000119_07.0209.C1.o5.np	Method	AAT/NAP
Start	20168	End	21418
GI	585662	Score	1489

Exons 20168..20556, 20644..20809, 20917..21093, 21209..21418
GI Descrip. PEROXIDASE PRECURSOR gi|303851|dbj|BAA03911| (D16442) peroxidase
[Oryza sativa]

Seq. No.	9856	Seq. ID	OJ000119_07.0209.C1
Gene No.	20993	Strand	-
Start	16937	End	25047
Name	OJ000119_07.0209.C1.o5.gp	Method	AAT/GAP
Start	24544	End	25047
GI	292_2.R1084	Score	969

Exons 24544..25047
GI Descrip. '100694/pir||S22087 1.0e-153 peroxidase (EC 1.11.1.7) precursor
- rice >gi_20286_emb_CAA46916_ (X66125) peroxidase [Oryza
sativa] >gi_445620_prf__1909367A peroxidase [Oryza sativa]'

Seq. No.	9856	Seq. ID	OJ000119_07.0209.C1
Gene No.	20993	Strand	-
Start	16937	End	25047
Name	OJ000119_07.0209.C1.o6.np	Method	AAT/NAP
Start	24827	End	25047
GI	2429286	Score	335
Exons	24827..25047		
GI Descrip.	(AF014467) peroxidase [Oryza sativa]		

Seq. No.	9857	Seq. ID	OJ000119_07.0209.C2
Gene No.	20994	Strand	+
Start	6849	End	11689
Name	OJ000119_07.0209.C2.o3.np	Method	AAT/NAP
Start	5602	End	11689
GI	6466937	Score	2325
Exons	5602..5738, 7278..7888, 7925..11468, 11579..11689		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	9857	Seq. ID	OJ000119_07.0209.C2
Gene No.	20994	Strand	+
Start	6849	End	11689
Name	OJ000119_07.0209.C2.o3.gs	Method	GENSCAN
Start	6849	End	11666
GI	none	Score	.47
Exons	6849..10101, 10870..11144, 11172..11325, 11377..11666		

Seq. No.	9857	Seq. ID	OJ000119_07.0209.C2
Gene No.	20995	Strand	+
Start	17789	End	21548
Name	OJ000119_07.0209.C2.o5.gs	Method	GENSCAN
Start	17789	End	21548
GI	none	Score	.68
Exons	17789..17819, 17910..17997, 18957..19070, 19188..19356, 19425..19755, 19767..20375, 21472..21548		

Seq. No.	9857	Seq. ID	OJ000119_07.0209.C2
Gene No.	20996	Strand	-
Start	1	End	976
Name	OJ000119_07.0209.C2.o1.gp	Method	AAT/GAP
Start	1	End	976
GI	292_2.R1084	Score	1260
Exons	1..55, 170..335, 422..598, 695..976		
GI Descrip.	'100694/pir||S22087 1.0e-153 peroxidase (EC 1.11.1.7) precursor - rice >gi_20286_emb_CAA46916_ (X66125) peroxidase [Oryza sativa] >gi_445620_prf__1909367A peroxidase [Oryza sativa]'		

Seq. No.	9857	Seq. ID	OJ000119_07.0209.C2
Gene No.	20996	Strand	-
Start	1	End	976
Name	OJ000119_07.0209.C2.o1.np	Method	AAT/NAP
Start	1	End	910
GI	2429286	Score	916
Exons	1..55, 170..335, 422..598, 695..910		
GI Descrip.	(AF014467) peroxidase [Oryza sativa]		

Seq. No.	9857	Seq. ID	OJ000119_07.0209.C2
Gene No.	20996	Strand	-
Start	1	End	976
Name	OJ000119_07.0209.C2.o1.gs	Method	GENSCAN
Start	170	End	877
GI	none	Score	.42
Exons	170..237, 422..565, 674..877		

Seq. No.	9857	Seq. ID	OJ000119_07.0209.C2
Gene No.	20997	Strand	-
Start	3568	End	5216
Name	OJ000119_07.0209.C2.o2.gp	Method	AAT/GAP
Start	3345	End	5216
GI	292_4.R1084	Score	2358
Exons	3345..3959, 4044..4209, 4312..4503, 4951..5216		
GI Descrip.	'2429288 1.0e-158 (AF014468) peroxidase [Oryza sativa]'		

Seq. No.	9857	Seq. ID	OJ000119_07.0209.C2
Gene No.	20997	Strand	-
Start	3568	End	5216
Name	OJ000119_07.0209.C2.o2.gs	Method	GENSCAN
Start	3568	End	5148
GI	none	Score	.92
Exons	3568..4209, 4312..4503, 5017..5148		

Seq. No.	9857	Seq. ID	OJ000119_07.0209.C2
Gene No.	20997	Strand	-
Start	3568	End	5216
Name	OJ000119_07.0209.C2.o2.np	Method	AAT/NAP
Start	3571	End	5148
GI	2429288	Score	1501
Exons	3571..3959, 4044..4209, 4312..4503, 4951..5148		
GI Descrip.	(AF014468) peroxidase [Oryza sativa]		

Seq. No.	9857	Seq. ID	OJ000119_07.0209.C2
Gene No.	20998	Strand	-
Start	13166	End	14545
Name	OJ000119_07.0209.C2.o3.gp	Method	AAT/GAP
Start	12974	End	13661
GI	292_6.R1084	Score	1352
Exons	12974..13661		
GI Descrip.	'2117619/pir||S61408 4.0e-71 peroxidase (EC 1.11.1.7) 4 precursor - wheat >gi_732976_emb_CAA59487_ (X85230) peroxidase [Triticum aestivum]'		

Seq. No.	9857	Seq. ID	OJ000119_07.0209.C2
Gene No.	20998	Strand	-
Start	13166	End	14545
Name	OJ000119_07.0209.C2.o4.gs	Method	GENSCAN
Start	13166	End	14002
GI	none	Score	.85
Exons	13166..14002		

Seq. No.	9857	Seq. ID	OJ000119_07.0209.C2
Gene No.	20998	Strand	-
Start	13166	End	14545
Name	OJ000119_07.0209.C2.o4.np	Method	AAT/NAP

Start	13169	End	14510
GI	2117619	Score	1223
Exons	13169..13723, 13802..13993, 14292..14510		
GI Descrip.	peroxidase (EC 1.11.1.7) 4 precursor - wheat gi|732976|emb|CAA59487| (X85230) peroxidase [Triticum aestivum]		

Seq. No.	9857	Seq. ID	OJ000119_07.0209.C2
Gene No.	20998	Strand	-
Start	13166	End	14545
Name	OJ000119_07.0209.C2.o4.gp	Method	AAT/GAP
Start	14029	End	14545
GI	292_5.R1084	Score	962
Exons	14029..14545		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-50 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	9857	Seq. ID	OJ000119_07.0209.C2
Gene No.	20999	Strand	-
Start	19085	End	20059
Name	OJ000119_07.0209.C2.o1.ts	Method	TBLASTX:Soybean
Start	1	End	14571
GI	none	Score	57
Exons	1..63, 3..59, 168..320, 169..333, 452..565, 698..820, 699..833, 3568..3756, 3568..4011, 3800..4018, 4042..4209, 4043..4207, 4342..4503, 4355..4504, 4954..5076, 4955..5065, 13148..13723, 13164..13367, 13521..13721, 13832..13993, 13845..13994, 14286..14432, 14295..14432, 14476..14571		

Seq. No.	9857	Seq. ID	OJ000119_07.0209.C2
Gene No.	20999	Strand	-
Start	19085	End	20059
Name	OJ000119_07.0209.C2.o1.tw	Method	TBLASTX:Wheat
Start	3	End	13721
GI	none	Score	63
Exons	3..59, 22..63, 168..320, 169..333, 169..324, 254..328, 3712..3852, 3812..3979, 3841..3987, 4031..4207, 4042..4206, 13310..13351, 13310..13441, 13384..13434, 13436..13720, 13518..13721		

Seq. No.	9857	Seq. ID	OJ000119_07.0209.C2
Gene No.	20999	Strand	-
Start	19085	End	20059
Name	OJ000119_07.0209.C2.o4.tm	Method	TBLASTX:Maize
Start	3	End	14417
GI	none	Score	78
Exons	3..59, 168..320, 169..336, 452..565, 575..604, 695..820, 699..821, 3565..3645, 3571..3645, 3727..3837, 3898..3978, 4042..4209, 4043..4210, 4342..4506, 4355..4504, 4951..5082, 4955..5086, 13169..13297, 13310..13447, 13496..13723, 13832..13996, 13845..13994, 14280..14417		

Seq. No.	9857	Seq. ID	OJ000119_07.0209.C2
Gene No.	20999	Strand	-
Start	19085	End	20059
Name	OJ000119_07.0209.C2.o1.tc	Method	TBLASTX:Cress
Start	168	End	14418
GI	none	Score	96

Exons	168..320, 238..333, 452..565, 465..566, 575..604, 683..763, 695..820, 699..821, 3715..3837, 3901..3978, 3914..3961, 4031..4207, 4042..4206, 4342..4506, 4355..4507, 4951..5082, 4955..5083, 13166..13321, 13316..13447, 13499..13720, 13530..13721, 13832..13996, 13845..14000, 14280..14417, 14296..14418		

Seq. No.	9857	Seq. ID	OJ000119_07.0209.C2
Gene No.	20999	Strand	-
Start	19085	End	20059
Name	OJ000119_07.0209.C2.o6.tm	Method	TBLASTX:Maize
Start	7896	End	8729
GI	none	Score	116
Exons	7896..8018, 8091..8333, 8421..8504, 8637..8729		

Seq. No.	9857	Seq. ID	OJ000119_07.0209.C2
Gene No.	20999	Strand	-
Start	19085	End	20059
Name	OJ000119_07.0209.C2.o2.tw	Method	TBLASTX:Wheat
Start	8718	End	9200
GI	none	Score	408
Exons	8718..9200, 8732..9196		

Seq. No.	9857	Seq. ID	OJ000119_07.0209.C2
Gene No.	20999	Strand	-
Start	19085	End	20059
Name	OJ000119_07.0209.C2.o4.ts	Method	TBLASTX:Soybean
Start	8754	End	9068
GI	none	Score	214
Exons	8754..9068		

Seq. No.	9857	Seq. ID	OJ000119_07.0209.C2
Gene No.	20999	Strand	-
Start	19085	End	20059
Name	OJ000119_07.0209.C2.o3.tm	Method	TBLASTX:Maize
Start	8777	End	9254
GI	none	Score	619
Exons	8777..9238, 8781..9254		

Seq. No.	9857	Seq. ID	OJ000119_07.0209.C2
Gene No.	20999	Strand	-
Start	19085	End	20059
Name	OJ000119_07.0209.C2.o3.ts	Method	TBLASTX:Soybean
Start	9177	End	9536
GI	none	Score	322
Exons	9177..9536, 9273..9524		

Seq. No.	9857	Seq. ID	OJ000119_07.0209.C2
Gene No.	20999	Strand	-
Start	19085	End	20059
Name	OJ000119_07.0209.C2.o3.tw	Method	TBLASTX:Wheat
Start	9249	End	9650
GI	none	Score	352
Exons	9249..9650, 9272..9616		

Seq. No.	9857	Seq. ID	OJ000119_07.0209.C2
Gene No.	20999	Strand	-

Start	19085	End	20059
Name	OJ000119_07.0209.C2.o7.tm	Method	TBLASTX:Maize
Start	9260	End	9479
GI	none	Score	253
Exons	9260..9472, 9261..9479		

Seq. No.	9857	Seq. ID	OJ000119_07.0209.C2
Gene No.	20999	Strand	-
Start	19085	End	20059
Name	OJ000119_07.0209.C2.o2.tm	Method	TBLASTX:Maize
Start	9482	End	10100
GI	none	Score	618
Exons	9482..9913, 9483..9974, 9591..9971, 9990..10100		

Seq. No.	9857	Seq. ID	OJ000119_07.0209.C2
Gene No.	20999	Strand	-
Start	19085	End	20059
Name	OJ000119_07.0209.C2.o5.ts	Method	TBLASTX:Soybean
Start	9560	End	9803
GI	none	Score	214
Exons	9560..9709, 9561..9803		

Seq. No.	9857	Seq. ID	OJ000119_07.0209.C2
Gene No.	20999	Strand	-
Start	19085	End	20059
Name	OJ000119_07.0209.C2.o4.tw	Method	TBLASTX:Wheat
Start	9972	End	10391
GI	none	Score	332
Exons	9972..10391, 10125..10382, 10328..10390		

Seq. No.	9857	Seq. ID	OJ000119_07.0209.C2
Gene No.	20999	Strand	-
Start	19085	End	20059
Name	OJ000119_07.0209.C2.o1.tm	Method	TBLASTX:Maize
Start	10224	End	10859
GI	none	Score	736
Exons	10224..10859, 10328..10858		

Seq. No.	9857	Seq. ID	OJ000119_07.0209.C2
Gene No.	20999	Strand	-
Start	19085	End	20059
Name	OJ000119_07.0209.C2.o2.ts	Method	TBLASTX:Soybean
Start	10263	End	10631
GI	none	Score	330
Exons	10263..10631, 10263..10316, 10340..10630		

Seq. No.	9857	Seq. ID	OJ000119_07.0209.C2
Gene No.	20999	Strand	-
Start	19085	End	20059
Name	OJ000119_07.0209.C2.o5.tw	Method	TBLASTX:Wheat
Start	10479	End	10859
GI	none	Score	315
Exons	10479..10859, 10574..10858		

Seq. No.	9857	Seq. ID	OJ000119_07.0209.C2
Gene No.	20999	Strand	-
Start	19085	End	20059

Name	OJ000119_07.0209.C2.o5.tm	Method	TBLASTX:Maize
Start	10994	End	11666
GI	none	Score	416
Exons	10994..11473, 10995..11471, 11571..11666		

Seq. No.	9857	Seq. ID	OJ000119_07.0209.C2
Gene No.	20999	Strand	-
Start	19085	End	20059
Name	OJ000119_07.0209.C2.o6.tw	Method	TBLASTX:Wheat
Start	10995	End	11267
GI	none	Score	287
Exons	10995..11267, 11010..11165, 11018..11263		

Seq. No.	9857	Seq. ID	OJ000119_07.0209.C2
Gene No.	20999	Strand	-
Start	19085	End	20059
Name	OJ000119_07.0209.C2.o5.np	Method	AAT/NAP
Start	19085	End	20059
GI	6907106	Score	340
Exons	19085..19653, 19827..20059		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	9858	Seq. ID	OJ000119_07.0209.C4
Gene No.	21000	Strand	+
Start	3722	End	4106
Name	OJ000119_07.0209.C4.o2.gp	Method	AAT/GAP
Start	3722	End	4106
GI	uC-osflcyp033a04b1	Score	674
Exons	3722..4106		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	9858	Seq. ID	OJ000119_07.0209.C4
Gene No.	21001	Strand	+
Start	4532	End	6411
Name	OJ000119_07.0209.C4.o5.np	Method	AAT/NAP
Start	4532	End	6411
GI	4539658	Score	170
Exons	4532..4567, 5195..5331, 5548..5730, 6285..6411		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	9858	Seq. ID	OJ000119_07.0209.C4
Gene No.	21001	Strand	+
Start	4532	End	6411
Name	OJ000119_07.0209.C4.o4.np	Method	AAT/NAP
Start	5194	End	6411
GI	4539658	Score	173
Exons	5194..5331, 5548..5730, 6285..6411		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	9858	Seq. ID	OJ000119_07.0209.C4
Gene No.	21002	Strand	-
Start	1	End	6244
Name	OJ000119_07.0209.C4.o2.np	Method	AAT/NAP

Start	1	End	4008
GI	5852180	Score	690
Exons	1..24, 1642..1678, 2382..2794, 2845..2962, 3955..4008		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	9858	Seq. ID	OJ000119_07.0209.C4
Gene No.	21002	Strand	-
Start	1	End	6244
Name	OJ000119_07.0209.C4.o1.gs	Method	GENSCAN
Start	227	End	742
GI	none	Score	.59
Exons	227..742		

Seq. No.	9858	Seq. ID	OJ000119_07.0209.C4
Gene No.	21002	Strand	-
Start	1	End	6244
Name	OJ000119_07.0209.C4.o1.ts	Method	TBLASTX:Soybean
Start	237	End	487
GI	none	Score	46
Exons	237..275, 248..487, 348..476		

Seq. No.	9858	Seq. ID	OJ000119_07.0209.C4
Gene No.	21002	Strand	-
Start	1	End	6244
Name	OJ000119_07.0209.C4.o1.np	Method	AAT/NAP
Start	248	End	6244
GI	4544372	Score	566
Exons	248..1520, 2365..2568, 3832..3939, 4762..4977, 5369..5441, 6153..6244		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	9858	Seq. ID	OJ000119_07.0209.C4
Gene No.	21002	Strand	-
Start	1	End	6244
Name	OJ000119_07.0209.C4.o1.tw	Method	TBLASTX:Wheat
Start	263	End	670
GI	none	Score	84
Exons	263..670, 297..440		

Seq. No.	9858	Seq. ID	OJ000119_07.0209.C4
Gene No.	21002	Strand	-
Start	1	End	6244
Name	OJ000119_07.0209.C4.o2.ts	Method	TBLASTX:Soybean
Start	919	End	1227
GI	none	Score	93
Exons	919..1227, 1007..1123		

Seq. No.	9858	Seq. ID	OJ000119_07.0209.C4
Gene No.	21002	Strand	-
Start	1	End	6244
Name	OJ000119_07.0209.C4.o2.tw	Method	TBLASTX:Wheat
Start	997	End	1386
GI	none	Score	108
Exons	997..1053, 1084..1191, 1225..1386		

Seq. No.	9858	Seq. ID	OJ000119_07.0209.C4

Gene No.	21002	Strand	-
Start	1	End	6244
Name	OJ000119_07.0209.C4.o1.tm	Method	TBLASTX:Maize
Start	1084	End	1461
GI	none	Score	209
Exons	1084..1461		

Seq. No.	9858	Seq. ID	OJ000119_07.0209.C4
Gene No.	21002	Strand	-
Start	1	End	6244
Name	OJ000119_07.0209.C4.o2.gs	Method	GENSCAN
Start	2330	End	6244
GI	none	Score	.63
Exons	2330..2840, 2846..2962, 3955..4008, 6009..6244		

Seq. No.	9859	Seq. ID	OJ000119_07.0209.C5
Gene No.	21003	Strand	+
Start	697	End	1986
Name	OJ000119_07.0209.C5.o1.gs	Method	GENSCAN
Start	697	End	1986
GI	none	Score	.7
Exons	697..1986		

Seq. No.	9860	Seq. ID	OJ000119_07.0209.C7
Gene No.	21004	Strand	-
Start	245	End	325
Name	OJ000119_07.0209.C7.o1.gs	Method	GENSCAN
Start	245	End	325
GI	none	Score	.59
Exons	245..325		

Seq. No.	9861	Seq. ID	OJ000119_07.0209.C8
Gene No.	21005	Strand	-
Start	344	End	7979
Name	OJ000119_07.0209.C8.o1.gs	Method	GENSCAN
Start	344	End	7491
GI	none	Score	.56
Exons	344..630, 657..824, 1205..1325, 2116..2156, 3313..3610, 3670..3820, 4026..4165, 5829..6071, 6500..6606, 6706..6773, 7191..7344, 7377..7491		

Seq. No.	9861	Seq. ID	OJ000119_07.0209.C8
Gene No.	21005	Strand	-
Start	344	End	7979
Name	OJ000119_07.0209.C8.o1.gp	Method	AAT/GAP
Start	1082	End	1176
GI	LIB3477-003-P1-K1-E9	Score	98
Exons	1082..1176		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	9861	Seq. ID	OJ000119_07.0209.C8
Gene No.	21005	Strand	-
Start	344	End	7979
Name	OJ000119_07.0209.C8.o1.np	Method	AAT/NAP
Start	3313	End	7979

GI	6069646	Score	216
Exons	3313..3896, 7927..7979		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	9861	Seq. ID	OJ000119_07.0209.C8
Gene No.	21005	Strand	-
Start	344	End	7979
Name	OJ000119_07.0209.C8.o1.tm	Method	TBLASTX:Maize
Start	3414	End	3893
GI	none	Score	82
Exons	3414..3509, 3552..3791, 3553..3783, 3795..3893		

Seq. No.	9861	Seq. ID	OJ000119_07.0209.C8
Gene No.	21005	Strand	-
Start	344	End	7979
Name	OJ000119_07.0209.C8.o1.tw	Method	TBLASTX:Wheat
Start	3591	End	3779
GI	none	Score	190
Exons	3591..3779		

Seq. No.	9861	Seq. ID	OJ000119_07.0209.C8
Gene No.	21005	Strand	-
Start	344	End	7979
Name	OJ000119_07.0209.C8.o2.np	Method	AAT/NAP
Start	5359	End	6912
GI	107449	Score	81
Exons	5359..5378, 6706..6912		
GI Descrip.	protein kinase p68 (EC 2.7.1.-) - human		

Seq. No.	9862	Seq. ID	OJ000119_07.0209.C9
Gene No.	21006	Strand	+
Start	2225	End	3586
Name	OJ000119_07.0209.C9.o1.np	Method	AAT/NAP
Start	2225	End	3586
GI	4164416	Score	404
Exons	2225..2586, 2715..2857, 3318..3407, 3517..3586		
GI Descrip.	(AJ132280) ferredoxin dependent-glutamate synthase Fd-Gogat [Oryza sativa]		

Seq. No.	9862	Seq. ID	OJ000119_07.0209.C9
Gene No.	21006	Strand	+
Start	2225	End	3586
Name	OJ000119_07.0209.C9.o1.tc	Method	TBLASTX:Cress
Start	2282	End	3586
GI	none	Score	54
Exons	2282..2338, 2393..2422, 2434..2583, 2436..2582, 2701..2802, 2714..2815, 2715..2816, 3519..3584, 3524..3586		

Seq. No.	9863	Seq. ID	OJ000119_07.0209.C11
Gene No.	21007	Strand	+
Start	3958	End	4900
Name	OJ000119_07.0209.C11.o1.np	Method	AAT/NAP
Start	3958	End	4900

GI	4544372	Score	545
Exons	3958..4712, 4771..4900		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	9863	Seq. ID	OJ000119_07.0209.C11
Gene No.	21007	Strand	+
Start	3958	End	4900
Name	OJ000119_07.0209.C11.o1.tw	Method	TBLASTX:Wheat
Start	3970	End	4374
GI	none	Score	82
Exons	3970..4032, 3975..4016, 4021..4374, 4032..4331, 4033..4374		

Seq. No.	9863	Seq. ID	OJ000119_07.0209.C11
Gene No.	21007	Strand	+
Start	3958	End	4900
Name	OJ000119_07.0209.C11.o1.tm	Method	TBLASTX:Maize
Start	4024	End	4289
GI	none	Score	347
Exons	4024..4287, 4032..4289		

Seq. No.	9863	Seq. ID	OJ000119_07.0209.C11
Gene No.	21007	Strand	+
Start	3958	End	4900
Name	OJ000119_07.0209.C11.o2.tm	Method	TBLASTX:Maize
Start	4291	End	4703
GI	none	Score	251
Exons	4291..4524, 4291..4479, 4392..4484, 4455..4703, 4455..4631, 4631..4699		

Seq. No.	9864	Seq. ID	OJ000119_07.0209.C13
Gene No.	21008	Strand	-
Start	743	End	2395
Name	OJ000119_07.0209.C13.o1.np	Method	AAT/NAP
Start	743	End	2395
GI	2129618	Score	64
Exons	743..1059, 2358..2395		
GI Descrip.	hypothetical protein 1 - Arabidopsis thaliana retrotransposon Athila gi|806535|emb|CAA57397| (X81801) Athila ORF 1 [Arabidopsis thaliana]		

Seq. No.	9865	Seq. ID	OJ000119_07.0209.C14
Gene No.	21009	Strand	-
Start	1660	End	3580
Name	OJ000119_07.0209.C14.o1.np	Method	AAT/NAP
Start	1660	End	3580
GI	6523547	Score	410
Exons	1660..1815, 2150..3060, 3408..3580		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	9865	Seq. ID	OJ000119_07.0209.C14
Gene No.	21010	Strand	-
Start	5959	End	10127
Name	OJ000119_07.0209.C14.o2.np	Method	AAT/NAP
Start	5959	End	10127
GI	121446	Score	438

Exons	5959..6014, 7376..7450, 7917..8151, 8235..8326, 8408..8959, 9037..9125, 9990..10127		
GI Descrip.	FERREDOXIN-DEPENDENT GLUTAMATE SYNTHASE PRECURSOR (FD-GOGAT) gi|100877|pir||A38596 glutamate synthase (ferredoxin) (EC 1.4.7.1) - maize gi|168477 (M59190) ferredoxin-dependent glutamate synthase [Zea mays]		
Seq. No.	9865	Seq. ID	OJ000119_07.0209.C14
Gene No.	21010	Strand	-
Start	5959	End	10127
Name	OJ000119_07.0209.C14.o2.gs	Method	GENSCAN
Start	6521	End	6927
GI	none	Score	.48
Exons	6521..6722, 6773..6927		
Seq. No.	9865	Seq. ID	OJ000119_07.0209.C14
Gene No.	21010	Strand	-
Start	5959	End	10127
Name	OJ000119_07.0209.C14.o1.tm	Method	TBLASTX:Maize
Start	7372	End	9136
GI	none	Score	74
Exons	7372..7446, 7392..7448, 7888..7968, 7917..7967, 7918..7968, 7967..7999, 7985..8038, 8040..8081, 8042..8083, 8044..8082, 8086..8109, 8108..8152, 8109..8153, 8114..8152, 8233..8256, 8234..8257, 8236..8259, 8262..8309, 8275..8310, 8295..8330, 8300..8326, 8406..8498, 8407..8499, 8408..8500, 8408..8512, 8511..8540, 8744..8815, 8744..8815, 8817..8834, 8835..8924, 8835..8924, 8843..8926, 8908..8958, 8915..8959, 9037..9123, 9037..9129, 9044..9136, 9047..9136		
Seq. No.	9865	Seq. ID	OJ000119_07.0209.C14
Gene No.	21010	Strand	-
Start	5959	End	10127
Name	OJ000119_07.0209.C14.o1.tc	Method	TBLASTX:Cress
Start	7392	End	9133
GI	none	Score	65
Exons	7392..7448, 7399..7446, 7888..7968, 7923..7964, 8042..8080, 8044..8079, 8107..8154, 8108..8152, 8235..8258, 8236..8259, 8262..8309, 8275..8310, 8290..8337, 8300..8332, 8407..8499, 8408..8497, 8744..8815, 8835..8924, 9037..9129, 9047..9133		
Seq. No.	9865	Seq. ID	OJ000119_07.0209.C14
Gene No.	21010	Strand	-
Start	5959	End	10127
Name	OJ000119_07.0209.C14.o1.ts	Method	TBLASTX:Soybean
Start	7392	End	9129
GI	none	Score	66
Exons	7392..7448, 7396..7446, 7888..7968, 7917..7958, 7983..8039, 8042..8083, 8057..8131, 8107..8154, 8108..8152, 8235..8258, 8236..8259, 8262..8309, 8275..8310, 8290..8337, 8407..8505, 8408..8497, 8744..8815, 8835..8921, 8835..8924, 9037..9129, 9038..9121		
Seq. No.	9865	Seq. ID	OJ000119_07.0209.C14
Gene No.	21010	Strand	-
Start	5959	End	10127
Name	OJ000119_07.0209.C14.o2.gp	Method	AAT/GAP

Start	7581	End	7834
GI	none	Score	500
Exons	7581..7834		

Seq. No.	9866	Seq. ID	OJ000119_07.0209.C15
Gene No.	21011	Strand	-
Start	1	End	3048
Name	OJ000119_07.0209.C15.o1.np	Method	AAT/NAP
Start	1	End	3048
GI	6560759	Score	511
Exons	1..139, 796..912, 1111..1253, 1722..1804, 1962..2074, 2580..2654, 2781..3048		
GI Descrip.	(AC010155) F3M18.22 [Arabidopsis thaliana]		

Seq. No.	9866	Seq. ID	OJ000119_07.0209.C15
Gene No.	21011	Strand	-
Start	1	End	3048
Name	OJ000119_07.0209.C15.o1.gp	Method	AAT/GAP
Start	638	End	2091
GI	23423_1.R1084	Score	1075
Exons	638..654, 807..912, 1108..1253, 1722..2091		
GI Descrip.	'1841468/emb|CAA71881| 5.0e-35 (Y10990) Tyrosyl-tRNA synthetase [Nicotiana tabacum]'		

Seq. No.	9866	Seq. ID	OJ000119_07.0209.C15
Gene No.	21011	Strand	-
Start	1	End	3048
Name	OJ000119_07.0209.C15.o1.gs	Method	GENSCAN
Start	807	End	2988
GI	none	Score	.63
Exons	807..912, 1108..1253, 1855..2067, 2573..2669, 2789..2988		

Seq. No.	9866	Seq. ID	OJ000119_07.0209.C15
Gene No.	21011	Strand	-
Start	1	End	3048
Name	OJ000119_07.0209.C15.o1.tm	Method	TBLASTX:Maize
Start	807	End	3048
GI	none	Score	100
Exons	807..914, 808..915, 1054..1227, 1107..1235, 1117..1227, 1131..1238, 1975..2073, 2555..2632, 2786..2983, 2788..2988, 2941..3048, 2996..3046		

Seq. No.	9866	Seq. ID	OJ000119_07.0209.C15
Gene No.	21011	Strand	-
Start	1	End	3048
Name	OJ000119_07.0209.C15.o1.ts	Method	TBLASTX:Soybean
Start	1135	End	3048
GI	none	Score	98
Exons	1135..1236, 1137..1238, 1155..1256, 1975..2073, 2555..2635, 2783..2893, 2788..2895, 2894..3031, 2896..3048		

Seq. No.	9867	Seq. ID	OJ000119_07.0209.C16
Gene No.	21012	Strand	-
Start	1	End	873
Name	OJ000119_07.0209.C16.o1.np	Method	AAT/NAP
Start	1	End	873
GI	1707012	Score	79

Exons	1..22, 720..873		
GI Descrip.	(U78721) putative tyrosyl-tRNA synthetase [Arabidopsis thaliana]		
Seq. No.	9867	Seq. ID	OJ000119_07.0209.C16
Gene No.	21013	Strand	-
Start	957	End	1655
Name	OJ000119_07.0209.C16.o1.gs	Method	GENSCAN
Start	957	End	1655
GI	none	Score	.93
Exons	957..1061, 1257..1655		
Seq. No.	9867	Seq. ID	OJ000119_07.0209.C16
Gene No.	21014	Strand	-
Start	2261	End	2322
Name	OJ000119_07.0209.C16.o2.gs	Method	GENSCAN
Start	2261	End	2322
GI	none	Score	.89
Exons	2261..2322		
Seq. No.	9868	Seq. ID	OJ000119_07.0209.C17
Gene No.	21015	Strand	+
Start	292	End	1110
Name	OJ000119_07.0209.C17.o1.gs	Method	GENSCAN
Start	292	End	1110
GI	none	Score	.74
Exons	292..435, 532..1110		
Seq. No.	9869	Seq. ID	OJ000119_07.0209.C18
Gene No.	21016	Strand	+
Start	275	End	1241
Name	OJ000119_07.0209.C18.o1.gs	Method	GENSCAN
Start	275	End	1241
GI	none	Score	.88
Exons	275..616, 941..1024, 1101..1241		
Seq. No.	9870	Seq. ID	OJ000209_05.0228.C1
Gene No.	21017	Strand	+
Start	719	End	1409
Name	OJ000209_05.0228.C1.o1.gs	Method	GENSCAN
Start	719	End	1409
GI	none	Score	.42
Exons	719..817, 1395..1409		
Seq. No.	9870	Seq. ID	OJ000209_05.0228.C1
Gene No.	21018	Strand	+
Start	3039	End	3343
Name	OJ000209_05.0228.C1.o1.gp	Method	AAT/GAP
Start	3039	End	3343
GI	3761745	Score	518
Exons	3039..3343		
GI Descrip.	4099436/gb|U87250|MVU87250 3.0e-67 Mustela vison GT dinucleotide repeat, chromosome 2,3,5 and 7 centromeric		
Seq. No.	9870	Seq. ID	OJ000209_05.0228.C1
Gene No.	21019	Strand	+
Start	10307	End	12796
Name	OJ000209_05.0228.C1.o4.gs	Method	GENSCAN

Start	10307	End	12796
GI	none	Score	.43
Exons	10307..10383, 10715..10920, 11194..11347, 11597..11655, 11718..11839, 12701..12796		

Seq. No.	9870	Seq. ID	OJ000209_05.0228.C1
Gene No.	21020	Strand	-
Start	3269	End	3793
Name	OJ000209_05.0228.C1.o2.gs	Method	GENSCAN
Start	3269	End	3793
GI	none	Score	.95
Exons	3269..3543, 3625..3793		

Seq. No.	9871	Seq. ID	OJ000209_05.0228.C2
Gene No.	21021	Strand	+
Start	3026	End	4524
Name	OJ000209_05.0228.C2.o2.np	Method	AAT/NAP
Start	3026	End	4524
GI	5852093	Score	60
Exons	3026..3051, 4406..4524		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	9871	Seq. ID	OJ000209_05.0228.C2
Gene No.	21022	Strand	+
Start	7275	End	7496
Name	OJ000209_05.0228.C2.o1.gp	Method	AAT/GAP
Start	7275	End	7496
GI	uC-osflM202031c11a1	Score	281
Exons	7275..7496		
GI Descrip.	'1902900/dbj|AB001919|AB001919 4.0e-43 Oryza sativa DNA for phospholipase D, complete cds'		

Seq. No.	9871	Seq. ID	OJ000209_05.0228.C2
Gene No.	21023	Strand	-
Start	1	End	3230
Name	OJ000209_05.0228.C2.o1.np	Method	AAT/NAP
Start	1	End	1825
GI	6841066	Score	243
Exons	1..514, 1800..1825		
GI Descrip.	(AF123303) calcium-binding transporter [Homo sapiens]		

Seq. No.	9871	Seq. ID	OJ000209_05.0228.C2
Gene No.	21023	Strand	-
Start	1	End	3230
Name	OJ000209_05.0228.C2.o1.gs	Method	GENSCAN
Start	300	End	3230
GI	none	Score	.96
Exons	300..500, 2753..3230		

Seq. No.	9871	Seq. ID	OJ000209_05.0228.C2
Gene No.	21024	Strand	-
Start	4794	End	10623
Name	OJ000209_05.0228.C2.o2.tm	Method	TBLASTX:Maize
Start	1	End	2844
GI	none	Score	565
Exons	1..501, 1..516, 196..291, 290..505, 2749..2823, 2749..2844		

Seq. No.	9871	Seq. ID	OJ000209_05.0228.C2
Gene No.	21024	Strand	-
Start	4794	End	10623
Name	OJ000209_05.0228.C2.o3.ts	Method	TBLASTX:Soybean
Start	28	End	516
GI	none	Score	124
Exons	28..222, 37..516, 286..492, 290..505		

Seq. No.	9871	Seq. ID	OJ000209_05.0228.C2
Gene No.	21024	Strand	-
Start	4794	End	10623
Name	OJ000209_05.0228.C2.o5.ts	Method	TBLASTX:Soybean
Start	2742	End	2987
GI	none	Score	112
Exons	2742..2987, 2746..2820		

Seq. No.	9871	Seq. ID	OJ000209_05.0228.C2
Gene No.	21024	Strand	-
Start	4794	End	10623
Name	OJ000209_05.0228.C2.o2.gs	Method	GENSCAN
Start	4794	End	10469
GI	none	Score	.72
Exons	4794..4876, 5194..5257, 7619..7935, 8319..10230, 10311..10469		

Seq. No.	9871	Seq. ID	OJ000209_05.0228.C2
Gene No.	21024	Strand	-
Start	4794	End	10623
Name	OJ000209_05.0228.C2.o1.tw	Method	TBLASTX:Wheat
Start	7480	End	8402
GI	none	Score	118
Exons	7480..7890, 7505..7936, 7536..7628, 7540..7947, 8287..8397, 8296..8379, 8298..8402, 8321..8401		

Seq. No.	9871	Seq. ID	OJ000209_05.0228.C2
Gene No.	21024	Strand	-
Start	4794	End	10623
Name	OJ000209_05.0228.C2.o1.tm	Method	TBLASTX:Maize
Start	7493	End	10623
GI	none	Score	46
Exons	7493..7528, 7505..7810, 7539..7628, 7559..7804, 7692..7811, 7820..7936, 7821..7937, 7834..7938, 8287..8979, 8320..8970, 8348..8977, 9022..9327, 9023..9265, 9292..9471, 9293..9475, 9479..9850, 9487..9870, 9598..9870, 9919..10233, 9958..10032, 9989..10177, 10192..10245, 10359..10469, 10360..10470, 10537..10623		

Seq. No.	9871	Seq. ID	OJ000209_05.0228.C2
Gene No.	21024	Strand	-
Start	4794	End	10623
Name	OJ000209_05.0228.C2.o1.tc	Method	TBLASTX:Cress
Start	7505	End	10215
GI	none	Score	90
Exons	7505..7651, 7505..7810, 7612..7797, 7731..7811, 7826..7936, 7851..7937, 8287..8979, 8300..8482, 8537..8977, 9022..9216, 9023..9217, 9217..9471, 9251..9520, 9478..9855, 9479..9850, 9859..10215, 9989..10111		

Seq. No.	9871	Seq. ID	OJ000209_05.0228.C2
Gene No.	21024	Strand	-
Start	4794	End	10623
Name	OJ000209_05.0228.C2.o2.ts	Method	TBLASTX:Soybean
Start	7505	End	8979
GI	none	Score	163
Exons	7505..7810, 7514..7810, 7820..7936, 7848..7937, 8287..8979, 8297..8974, 8407..8979		

Seq. No.	9871	Seq. ID	OJ000209_05.0228.C2
Gene No.	21024	Strand	-
Start	4794	End	10623
Name	OJ000209_05.0228.C2.o3.np	Method	AAT/NAP
Start	7505	End	10469
GI	3914365	Score	4211
Exons	7505..7935, 8319..10230, 10362..10469		
GI Descrip.	PHOSPHOLIPASE D 2 PRECURSOR (PLD 2) (CHOLINE PHOSPHATASE 2) (PHOSPHATIDYLCHOLINE-HYDROLYZING PHOSPHOLIPASE D 2) gi|1902901|dbj|BAA19466| (AB001919) phospholipase D [Oryza sativa]		

Seq. No.	9871	Seq. ID	OJ000209_05.0228.C2
Gene No.	21024	Strand	-
Start	4794	End	10623
Name	OJ000209_05.0228.C2.o4.tw	Method	TBLASTX:Wheat
Start	8407	End	8581
GI	none	Score	101
Exons	8407..8577, 8408..8581		

Seq. No.	9871	Seq. ID	OJ000209_05.0228.C2
Gene No.	21024	Strand	-
Start	4794	End	10623
Name	OJ000209_05.0228.C2.o2.gp	Method	AAT/GAP
Start	8537	End	8863
GI	uC-osf1M202071g12b1	Score	630
Exons	8537..8863		
GI Descrip.	'3914365/sp|P93844|PLD2_ORYSA 2.0e-54 PHOSPHOLIPASE D 2 PRECURSOR (PLD 2) (CHOLINE PHOSPHATASE 2) (PHOSPHATIDYLCHOLINE-HYDROLYZING PHOSPHOLIPASE D 2) >gi_1902901_dbj_BAA19466_ (AB001919) phospholipase D [Oryza sativa]'		

Seq. No.	9871	Seq. ID	OJ000209_05.0228.C2
Gene No.	21024	Strand	-
Start	4794	End	10623
Name	OJ000209_05.0228.C2.o3.tw	Method	TBLASTX:Wheat
Start	8582	End	8814
GI	none	Score	267
Exons	8582..8809, 8582..8806, 8587..8814		

Seq. No.	9871	Seq. ID	OJ000209_05.0228.C2
Gene No.	21024	Strand	-
Start	4794	End	10623
Name	OJ000209_05.0228.C2.o4.ts	Method	TBLASTX:Soybean
Start	9022	End	9232
GI	none	Score	221
Exons	9022..9231, 9023..9232		

Seq. No.	9871	Seq. ID	OJ000209_05.0228.C2
Gene No.	21024	Strand	-
Start	4794	End	10623
Name	OJ000209_05.0228.C2.o1.ts	Method	TBLASTX:Soybean
Start	9232	End	10469
GI	none	Score	127
Exons	9232..9327, 9292..9471, 9293..9520, 9487..9855, 9488..9826, 9859..10245, 9989..10108, 10407..10469		

Seq. No.	9871	Seq. ID	OJ000209_05.0228.C2
Gene No.	21024	Strand	-
Start	4794	End	10623
Name	OJ000209_05.0228.C2.o2.tw	Method	TBLASTX:Wheat
Start	9499	End	9918
GI	none	Score	559
Exons	9499..9915, 9500..9916, 9607..9918		

Seq. No.	9871	Seq. ID	OJ000209_05.0228.C2
Gene No.	21024	Strand	-
Start	4794	End	10623
Name	OJ000209_05.0228.C2.o5.tw	Method	TBLASTX:Wheat
Start	10162	End	10476
GI	none	Score	46
Exons	10162..10194, 10171..10203, 10189..10239, 10201..10230, 10362..10475, 10363..10476		

Seq. No.	9872	Seq. ID	OJ000209_05.0228.C3
Gene No.	21025	Strand	+
Start	1019	End	1461
Name	OJ000209_05.0228.C3.o1.gp	Method	AAT/GAP
Start	1019	End	1461
GI	uC-osroM202010d01a1	Score	865
Exons	1019..1461		
GI Descrip.	'4867803/emb|CAB43062.1| 4.0e-19 (AJ133000) phospholipase D2 [Craterostigma plantagineum]'		

Seq. No.	9872	Seq. ID	OJ000209_05.0228.C3
Gene No.	21026	Strand	+
Start	12244	End	16800
Name	OJ000209_05.0228.C3.o2.gp	Method	AAT/GAP
Start	12167	End	12762
GI	LIB3477-003-P1-K1-C7	Score	904
Exons	12167..12354, 12453..12762		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	9872	Seq. ID	OJ000209_05.0228.C3
Gene No.	21026	Strand	+
Start	12244	End	16800
Name	OJ000209_05.0228.C3.o3.gs	Method	GENSCAN
Start	12244	End	16800
GI	none	Score	.96
Exons	12244..12354, 12453..13486, 13609..14393, 16355..16800		

Seq. No.	9872	Seq. ID	OJ000209_05.0228.C3
Gene No.	21026	Strand	+

Start	12244	End	16800
Name	OJ000209_05.0228.C3.o2.np	Method	AAT/NAP
Start	12247	End	16785
GI	3914365	Score	2991
Exons	12247..12354, 12453..14393, 16355..16785		
GI Descrip.	PHOSPHOLIPASE D 2 PRECURSOR (PLD 2) (CHOLINE PHOSPHATASE 2) (PHOSPHATIDYLCHOLINE-HYDROLYZING PHOSPHOLIPASE D 2) gi|1902901|dbj|BAA19466| (AB001919) phospholipase D [Oryza sativa]		

Seq. No.	9872	Seq. ID	OJ000209_05.0228.C3
Gene No.	21027	Strand	+
Start	26302	End	27265
Name	OJ000209_05.0228.C3.o5.gs	Method	GENSCAN
Start	26302	End	27265
GI	none	Score	.54
Exons	26302..26384, 26617..27265		

Seq. No.	9872	Seq. ID	OJ000209_05.0228.C3
Gene No.	21027	Strand	+
Start	26302	End	27265
Name	OJ000209_05.0228.C3.o3.np	Method	AAT/NAP
Start	26305	End	27205
GI	5103834	Score	547
Exons	26305..26384, 26617..26767, 26798..27011, 27054..27205		
GI Descrip.	(AC007591) Similar to gb|AB008104 ethylene responsive element binding factor 2 from Arabidopsis thaliana and contains an PF|00847 AP2 domain. EST gb|AA728476 comes from this gene.		

Seq. No.	9872	Seq. ID	OJ000209_05.0228.C3
Gene No.	21028	Strand	+
Start	27218	End	27626
Name	OJ000209_05.0228.C3.o4.gp	Method	AAT/GAP
Start	27218	End	27626
GI	3769248	Score	756
Exons	27218..27626		

Seq. No.	9872	Seq. ID	OJ000209_05.0228.C3
Gene No.	21029	Strand	-
Start	1223	End	3948
Name	OJ000209_05.0228.C3.o1.gs	Method	GENSCAN
Start	1223	End	3948
GI	none	Score	1
Exons	1223..1668, 1758..3732, 3841..3948		

Seq. No.	9872	Seq. ID	OJ000209_05.0228.C3
Gene No.	21029	Strand	-
Start	1223	End	3948
Name	OJ000209_05.0228.C3.o1.np	Method	AAT/NAP
Start	1226	End	3948
GI	3914365	Score	2975
Exons	1226..1668, 1758..3714, 3835..3948		
GI Descrip.	PHOSPHOLIPASE D 2 PRECURSOR (PLD 2) (CHOLINE PHOSPHATASE 2) (PHOSPHATIDYLCHOLINE-HYDROLYZING PHOSPHOLIPASE D 2) gi|1902901|dbj|BAA19466| (AB001919) phospholipase D [Oryza sativa]		

Seq. No.	9872	Seq. ID	OJ000209_05.0228.C3
Gene No.	21030	Strand	-
Start	18037	End	25520
Name	OJ000209_05.0228.C3.o1.tc	Method	TBLASTX:Cress
Start	1265	End	16764
GI	none	Score	62

Exons 1265..1330, 1266..1331, 1331..1549, 1332..1550, 1559..1678, 1569..1670, 1744..2145, 1744..2154, 1961..2155, 2155..2382, 2177..2383, 2414..2485, 2431..2676, 2471..2677, 2677..2745, 2711..2746, 2749..2844, 2854..2928, 2947..3312, 2951..3310, 3416..3667, 3445..3708, 12464..12694, 12465..12818, 12872..13228, 12873..13226, 13178..13336, 13227..13481, 13376..13447, 13481..13546, 13482..13595, 13597..13686, 13598..13738, 13744..13974, 13745..13993, 13994..14392, 14006..14389, 14020..14400, 14104..14394, 16327..16464, 16353..16454, 16354..16461, 16474..16533, 16479..16538, 16533..16754, 16546..16764

Seq. No.	9872	Seq. ID	OJ000209_05.0228.C3
Gene No.	21030	Strand	-
Start	18037	End	25520
Name	OJ000209_05.0228.C3.o1.tw	Method	TBLASTX:Wheat
Start	1266	End	16764
GI	none	Score	71

Exons 1266..1331, 1268..1330, 1331..1678, 1332..1670, 1525..1671, 1744..1812, 1744..1836, 1772..1840, 8770..8856, 8779..8820, 8821..8841, 8849..8923, 8880..8915, 14315..14392, 14333..14392, 16327..16533, 16343..16546, 16353..16553, 16361..16555, 16533..16754, 16534..16764

Seq. No.	9872	Seq. ID	OJ000209_05.0228.C3
Gene No.	21030	Strand	-
Start	18037	End	25520
Name	OJ000209_05.0228.C3.o1.ts	Method	TBLASTX:Soybean
Start	1268	End	16764
GI	none	Score	64

Exons 1268..1330, 1281..1331, 1331..1549, 1332..1550, 1562..1678, 1581..1670, 1744..2145, 1744..2151, 1952..2149, 2167..2382, 2177..2383, 2410..2493, 13744..13974, 13745..13996, 13994..14392, 14006..14317, 14020..14400, 14345..14404, 16327..16461, 16343..16438, 16353..16442, 16354..16461, 16474..16533, 16474..16527, 16479..16538, 16533..16754, 16534..16764

Seq. No.	9872	Seq. ID	OJ000209_05.0228.C3
Gene No.	21030	Strand	-
Start	18037	End	25520
Name	OJ000209_05.0228.C3.o1.tm	Method	TBLASTX:Maize
Start	1268	End	16764
GI	none	Score	61

Exons 1268..1330, 1269..1331, 1328..1459, 1331..1549, 1332..1550, 1520..1552, 1554..1670, 1562..1678, 1744..2145, 1744..2154, 1952..2155, 2155..2382, 2156..2383, 2402..2485, 2410..2493, 2471..2569, 2482..2742, 2554..2580, 2615..2665, 2761..2838, 2762..2803, 2854..2928, 2947..3312, 2975..3313, 3425..3667, 3445..3720, 3838..3969, 12253..12357, 12267..12362, 12458..12712, 12459..12764, 12819..13226, 12872..13201,

13178..13405, 13227..13406, 13371..13595, 13493..13543,
13597..13725, 13598..13738, 13744..13974, 13745..13993,
13994..14392, 14006..14392, 14029..14400, 14103..14393,
16327..16461, 16353..16460, 16357..16461, 16474..16533,
16479..16556, 16533..16757, 16534..16764

Seq. No.	9872	Seq. ID	OJ000209_05.0228.C3
Gene No.	21030	Strand	-
Start	18037	End	25520
Name	OJ000209_05.0228.C3.o4.tw	Method	TBLASTX:Wheat
Start	1846	End	14314
GI	none	Score	95
Exons	1846..2010, 1847..2017, 14131..14304, 14132..14305, 14144..14314, 14145..14306		

Seq. No.	9872	Seq. ID	OJ000209_05.0228.C3
Gene No.	21030	Strand	-
Start	18037	End	25520
Name	OJ000209_05.0228.C3.o3.tw	Method	TBLASTX:Wheat
Start	2021	End	14130
GI	none	Score	157
Exons	2021..2155, 2026..2154, 2155..2256, 2156..2251, 13895..13993, 13900..13974, 13994..14125, 14006..14122, 14032..14130		

Seq. No.	9872	Seq. ID	OJ000209_05.0228.C3
Gene No.	21030	Strand	-
Start	18037	End	25520
Name	OJ000209_05.0228.C3.o3.ts	Method	TBLASTX:Soybean
Start	2494	End	13677
GI	none	Score	98
Exons	2494..2691, 2498..2566, 2612..2692, 13466..13546, 13467..13595, 13597..13677, 13598..13675		

Seq. No.	9872	Seq. ID	OJ000209_05.0228.C3
Gene No.	21030	Strand	-
Start	18037	End	25520
Name	OJ000209_05.0228.C3.o2.ts	Method	TBLASTX:Soybean
Start	2692	End	13466
GI	none	Score	288
Exons	2692..2748, 2761..2844, 2854..2928, 2947..3312, 2984..3310, 3373..3720, 3889..3948, 12459..12818, 12872..13228, 12873..13226, 13178..13336, 13227..13406, 13371..13466, 13409..13447		

Seq. No.	9872	Seq. ID	OJ000209_05.0228.C3
Gene No.	21030	Strand	-
Start	18037	End	25520
Name	OJ000209_05.0228.C3.o2.tw	Method	TBLASTX:Wheat
Start	2983	End	13190
GI	none	Score	416
Exons	2983..3312, 2984..3310, 3373..3408, 12764..12811, 12765..12818, 12870..12917, 12872..12940, 12872..13189, 12873..13190		

Seq. No.	9872	Seq. ID	OJ000209_05.0228.C3
Gene No.	21030	Strand	-
Start	18037	End	25520
Name	OJ000209_05.0228.C3.o4.gs	Method	GENSCAN

Start	18037	End	25520
GI	none	Score	.57
Exons	18037..18243, 21809..21902, 22861..22972, 23085..23204, 24680..24781, 25108..25176, 25451..25520		

Seq. No.	9872	Seq. ID	OJ000209_05.0228.C3
Gene No.	21030	Strand	-
Start	18037	End	25520
Name	OJ000209_05.0228.C3.o3.gp	Method	AAT/GAP
Start	20645	End	20715
GI	2312838	Score	76
Exons	20645..20715		
GI Descrip.	1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	9872	Seq. ID	OJ000209_05.0228.C3
Gene No.	21031	Strand	
Start	26316	End	27010
Name	OJ000209_05.0228.C3.o2.tc	Method	TBLASTX:Cress
Start	26316	End	26998
GI	none	Score	123
Exons	26316..26408, 26317..26385, 26618..26737, 26620..26733, 26846..26998, 26863..26997		

Seq. No.	9872	Seq. ID	OJ000209_05.0228.C3
Gene No.	21031	Strand	
Start	26316	End	27010
Name	OJ000209_05.0228.C3.o4.ts	Method	TBLASTX:Soybean
Start	26316	End	27010
GI	none	Score	50
Exons	26316..26357, 26317..26352, 26350..26385, 26618..26737, 26620..26751, 26839..27003, 26846..27010		

Seq. No.	9873	Seq. ID	OJ000209_05.0228.C5
Gene No.	21032	Strand	-
Start	4077	End	4728
Name	OJ000209_05.0228.C5.o1.np	Method	AAT/NAP
Start	4077	End	4728
GI	435039	Score	159
Exons	4077..4728		
GI Descrip.	(L17308) proline-rich cell wall protein [Gossypium hirsutum]		

Seq. No.	9874	Seq. ID	OJ000209_05.0228.C7
Gene No.	21033	Strand	+
Start	8640	End	19657
Name	OJ000209_05.0228.C7.o2.gp	Method	AAT/GAP
Start	8343	End	8824
GI	none	Score	915
Exons	8343..8824		

Seq. No.	9874	Seq. ID	OJ000209_05.0228.C7
Gene No.	21033	Strand	+
Start	8640	End	19657
Name	OJ000209_05.0228.C7.o3.gs	Method	GENSCAN
Start	8640	End	19657
GI	none	Score	.4
Exons	8640..9358, 11773..11993, 11998..12275, 12540..12658,		

12715..13077, 14642..14687, 15999..16197, 18726..19009,
19019..19657

Seq. No.	9874	Seq. ID	OJ000209_05.0228.C7
Gene No.	21034	Strand	-
Start	1	End	17074
Name	OJ000209_05.0228.C7.o1.np	Method	AAT/NAP
Start	1	End	17074
GI	6665544	Score	209
Exons	1..68, 2167..2446, 16936..17074		
GI Descrip.	(AC013289) putative heme oxygenase [Arabidopsis thaliana]		

Seq. No.	9874	Seq. ID	OJ000209_05.0228.C7
Gene No.	21034	Strand	-
Start	1	End	17074
Name	OJ000209_05.0228.C7.o1.gs	Method	GENSCAN
Start	2159	End	2611
GI	none	Score	.78
Exons	2159..2611		

Seq. No.	9874	Seq. ID	OJ000209_05.0228.C7
Gene No.	21034	Strand	-
Start	1	End	17074
Name	OJ000209_05.0228.C7.o1.gp	Method	AAT/GAP
Start	2163	End	2905
GI	4144_1.R1084	Score	1398
Exons	2163..2905		
GI Descrip.	'4530591/gb|AAD22107.1| 1.0e-90 (AF132475) heme oxygenase 1 [Arabidopsis thaliana] >gi_4530593_gb_AAD22108.1_ (AF132476) heme oxygenase 1 [Arabidopsis thaliana] >gi_4877362_dbj_BAA77758.1_ (AB021857) plastid heme oxygenase [Arabidopsis thaliana] >gi_4877397_dbj_BAA77759.1_ (AB021858) plastid heme oxygenase [Arabidopsis thaliana] >gi_4883666_gb_AAB95301.2_ (AC003105) heme oxygenase 1 ('		

Seq. No.	9874	Seq. ID	OJ000209_05.0228.C7
Gene No.	21034	Strand	-
Start	1	End	17074
Name	OJ000209_05.0228.C7.o2.gs	Method	GENSCAN
Start	4662	End	6641
GI	none	Score	.64
Exons	4662..4672, 5748..5888, 6097..6243, 6620..6641		

Seq. No.	9874	Seq. ID	OJ000209_05.0228.C7
Gene No.	21034	Strand	-
Start	1	End	17074
Name	OJ000209_05.0228.C7.o3.gp	Method	AAT/GAP
Start	8897	End	9366
GI	none	Score	885
Exons	8897..9366		

Seq. No.	9874	Seq. ID	OJ000209_05.0228.C7
Gene No.	21035	Strand	-
Start	17689	End	19383
Name	OJ000209_05.0228.C7.o3.np	Method	AAT/NAP
Start	17689	End	19383
GI	6324330	Score	82

Exons	17689..17745, 19107..19383		
GI Descrip.	34-kDa subunit of RNA polymerase III (C); Rpc34p gi|417698|sp|P32910|RPC6_YEAST DNA-DIRECTED RNA POLYMERASE III 36 KD POLYPEPTIDE (C34) gi|322963|pir||A45107 DNA-directed RNA polymerase (EC 2.7.7.6) III chain C34 - yeast (Saccharomyces cerevisiae) gi|4379|emb|CAA45278| (X63746) DNA dependent RNA polymerase c(III) subunit c34 [Saccharomyces cerevisiae] gi|496721|e		

Seq. No.	9874	Seq. ID	OJ000209_05.0228.C7
Gene No.	21035	Strand	-
Start	17689	End	19383
Name	OJ000209_05.0228.C7.o5.gp	Method	AAT/GAP
Start	19197	End	19376
GI	none	Score	317
Exons	19197..19376		

Seq. No.	9874	Seq. ID	OJ000209_05.0228.C7
Gene No.	21036	Strand	-
Start	20644	End	24820
Name	OJ000209_05.0228.C7.o2.tm	Method	TBLASTX:Maize
Start	2139	End	2368
GI	none	Score	195
Exons	2139..2366, 2168..2368		

Seq. No.	9874	Seq. ID	OJ000209_05.0228.C7
Gene No.	21036	Strand	-
Start	20644	End	24820
Name	OJ000209_05.0228.C7.o3.tm	Method	TBLASTX:Maize
Start	18726	End	18958
GI	none	Score	200
Exons	18726..18884, 18731..18883, 18861..18914, 18890..18958, 18891..18941		

Seq. No.	9874	Seq. ID	OJ000209_05.0228.C7
Gene No.	21036	Strand	-
Start	20644	End	24820
Name	OJ000209_05.0228.C7.o4.tm	Method	TBLASTX:Maize
Start	18968	End	19231
GI	none	Score	138
Exons	18968..19204, 18968..19231		

Seq. No.	9874	Seq. ID	OJ000209_05.0228.C7
Gene No.	21036	Strand	-
Start	20644	End	24820
Name	OJ000209_05.0228.C7.o6.gp	Method	AAT/GAP
Start	20278	End	20742
GI	4715604	Score	890
Exons	20278..20742		

Seq. No.	9874	Seq. ID	OJ000209_05.0228.C7
Gene No.	21036	Strand	-
Start	20644	End	24820
Name	OJ000209_05.0228.C7.o1.tm	Method	TBLASTX:Maize
Start	20411	End	24435
GI	none	Score	72
Exons	20411..20488, 20411..20482, 20486..20545, 20490..20546,		

20491..20568, 20492..20557, 20544..20591, 20578..20601,
20642..20701, 20644..20700, 20689..21120, 20706..20888,
20708..21106, 24140..24277, 24142..24279, 24349..24435,
24378..24434

Seq. No.	9874	Seq. ID	OJ000209_05.0228.C7
Gene No.	21036	Strand	-
Start	20644	End	24820
Name	OJ000209_05.0228.C7.o4.gs	Method	GENSCAN
Start	20644	End	24674
GI	none	Score	.88

Exons 20644..21101, 21906..21951, 23429..23454, 24144..24318,
24378..24674

Seq. No.	9874	Seq. ID	OJ000209_05.0228.C7
Gene No.	21036	Strand	-
Start	20644	End	24820
Name	OJ000209_05.0228.C7.o4.np	Method	AAT/NAP
Start	20647	End	24674
GI	2760832	Score	743

Exons 20647..21101, 24144..24276, 24378..24674
GI Descrip. (AC003105) unknown protein [Arabidopsis thaliana]

Seq. No.	9874	Seq. ID	OJ000209_05.0228.C7
Gene No.	21036	Strand	-
Start	20644	End	24820
Name	OJ000209_05.0228.C7.o1.ts	Method	TBLASTX:Soybean
Start	20719	End	24204
GI	none	Score	80

Exons 20719..20841, 20720..20842, 20920..21114, 20953..21105,
20963..21106, 24142..24204

Seq. No.	9874	Seq. ID	OJ000209_05.0228.C7
Gene No.	21036	Strand	-
Start	20644	End	24820
Name	OJ000209_05.0228.C7.o1.tw	Method	TBLASTX:Wheat
Start	20724	End	24186
GI	none	Score	338

Exons 20724..21092, 20725..21096, 20725..21120, 20945..21106,
24142..24186, 24144..24185, 24145..24186

Seq. No.	9874	Seq. ID	OJ000209_05.0228.C7
Gene No.	21036	Strand	-
Start	20644	End	24820
Name	OJ000209_05.0228.C7.o1.tc	Method	TBLASTX:Cress
Start	20938	End	24675
GI	none	Score	143

Exons 20938..21000, 20962..21120, 20990..21106, 24140..24196,
24142..24231, 24396..24461, 24397..24462, 24570..24674,
24591..24674, 24604..24675

Seq. No.	9874	Seq. ID	OJ000209_05.0228.C7
Gene No.	21036	Strand	-
Start	20644	End	24820
Name	OJ000209_05.0228.C7.o2.ts	Method	TBLASTX:Soybean
Start	24250	End	24675
GI	none	Score	39

Exons	24250..24279, 24251..24277, 24376..24435, 24378..24461, 24388..24447, 24531..24674, 24591..24674, 24604..24675		
Seq. No.	9874	Seq. ID	OJ000209_05.0228.C7
Gene No.	21036	Strand	-
Start	20644	End	24820
Name	OJ000209_05.0228.C7.o7.gp	Method	AAT/GAP
Start	24366	End	24820
GI	43448_1.R1084	Score	830
Exons	24366..24820		
GI Descrip.	'2760832/gb|AAB95300.1| 3.0e-12 (AC003105) similar to barley ids-4 gene product [Arabidopsis thaliana]'		

Seq. No.	9875	Seq. ID	OJ000209_05.0228.C8
Gene No.	21037	Strand	-
Start	402	End	938
Name	OJ000209_05.0228.C8.o1.gp	Method	AAT/GAP
Start	402	End	938
GI	5771216	Score	285
Exons	402..426, 728..938		
GI Descrip.	1888550/gb|U89895|OSU89895 4.0e-36 Oryza sativa pathogenesis-related protein class 1 (PR-1) gene, complete cds		

Seq. No.	9876	Seq. ID	OJ000129_40.0302.C1
Gene No.	21038	Strand	+
Start	6855	End	7559
Name	OJ000129_40.0302.C1.o3.gs	Method	GENSCAN
Start	6855	End	7559
GI	none	Score	.96
Exons	6855..7559		

Seq. No.	9876	Seq. ID	OJ000129_40.0302.C1
Gene No.	21039	Strand	+
Start	7567	End	14679
Name	OJ000129_40.0302.C1.o4.np	Method	AAT/NAP
Start	7567	End	12038
GI	6063554	Score	418
Exons	7567..7588, 10166..10360, 10478..10700, 11193..11220, 11864..12038		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	9876	Seq. ID	OJ000129_40.0302.C1
Gene No.	21039	Strand	+
Start	7567	End	14679
Name	OJ000129_40.0302.C1.o6.gs	Method	GENSCAN
Start	11827	End	14315
GI	none	Score	.71
Exons	11827..11898, 13218..14315		

Seq. No.	9876	Seq. ID	OJ000129_40.0302.C1
Gene No.	21039	Strand	+
Start	7567	End	14679
Name	OJ000129_40.0302.C1.o5.np	Method	AAT/NAP
Start	12342	End	14679
GI	4680179	Score	775

Exons	12342..12430, 13238..14222, 14639..14679		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	9876	Seq. ID	OJ000129_40.0302.C1
Gene No.	21040	Strand	-
Start	1	End	5694
Name	OJ000129_40.0302.C1.o1.np	Method	AAT/NAP
Start	1	End	4114
GI	4680179	Score	3286
Exons	1..175, 581..2441, 2469..3437, 3998..4114		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	9876	Seq. ID	OJ000129_40.0302.C1
Gene No.	21040	Strand	-
Start	1	End	5694
Name	OJ000129_40.0302.C1.o1.gs	Method	GENSCAN
Start	616	End	3501
GI	none	Score	1
Exons	616..3501		
Seq. No.	9876	Seq. ID	OJ000129_40.0302.C1
Gene No.	21040	Strand	-
Start	1	End	5694
Name	OJ000129_40.0302.C1.o2.gs	Method	GENSCAN
Start	3786	End	5694
GI	none	Score	.7
Exons	3786..4550, 5152..5170, 5615..5694		
Seq. No.	9876	Seq. ID	OJ000129_40.0302.C1
Gene No.	21040	Strand	-
Start	1	End	5694
Name	OJ000129_40.0302.C1.o2.np	Method	AAT/NAP
Start	3789	End	4550
GI	4512229	Score	1221
Exons	3789..4550		
GI Descrip.	(AB014740) ORF0 protein [Oryza sativa]		
Seq. No.	9876	Seq. ID	OJ000129_40.0302.C1
Gene No.	21041	Strand	-
Start	7965	End	13913
Name	OJ000129_40.0302.C1.o2.tm	Method	TBLASTX:Maize
Start	632	End	990
GI	none	Score	50
Exons	632..676, 640..990, 652..984, 722..985		
Seq. No.	9876	Seq. ID	OJ000129_40.0302.C1
Gene No.	21041	Strand	-
Start	7965	End	13913
Name	OJ000129_40.0302.C1.o2.tw	Method	TBLASTX:Wheat
Start	640	End	1063
GI	none	Score	256
Exons	640..1062, 643..1014, 644..1063		
Seq. No.	9876	Seq. ID	OJ000129_40.0302.C1
Gene No.	21041	Strand	-
Start	7965	End	13913
Name	OJ000129_40.0302.C1.o3.ts	Method	TBLASTX:Soybean

Start	808	End	1053
GI	none	Score	209
Exons	808..1053		

Seq. No.	9876	Seq. ID	OJ000129_40.0302.C1
Gene No.	21041	Strand	-
Start	7965	End	13913
Name	OJ000129_40.0302.C1.o5.tm	Method	TBLASTX:Maize
Start	997	End	1329
GI	none	Score	151
Exons	997..1329, 998..1276		

Seq. No.	9876	Seq. ID	OJ000129_40.0302.C1
Gene No.	21041	Strand	-
Start	7965	End	13913
Name	OJ000129_40.0302.C1.o6.tw	Method	TBLASTX:Wheat
Start	1064	End	1338
GI	none	Score	254
Exons	1064..1318, 1066..1326, 1096..1338		

Seq. No.	9876	Seq. ID	OJ000129_40.0302.C1
Gene No.	21041	Strand	-
Start	7965	End	13913
Name	OJ000129_40.0302.C1.o1.ts	Method	TBLASTX:Soybean
Start	1078	End	1473
GI	none	Score	168
Exons	1078..1329, 1088..1318, 1135..1332, 1357..1437, 1384..1437, 1441..1473, 1441..1473		

Seq. No.	9876	Seq. ID	OJ000129_40.0302.C1
Gene No.	21041	Strand	-
Start	7965	End	13913
Name	OJ000129_40.0302.C1.o4.tm	Method	TBLASTX:Maize
Start	1384	End	1827
GI	none	Score	141
Exons	1384..1827, 1393..1824		

Seq. No.	9876	Seq. ID	OJ000129_40.0302.C1
Gene No.	21041	Strand	-
Start	7965	End	13913
Name	OJ000129_40.0302.C1.o4.tw	Method	TBLASTX:Wheat
Start	1414	End	1900
GI	none	Score	231
Exons	1414..1896, 1456..1827, 1589..1900		

Seq. No.	9876	Seq. ID	OJ000129_40.0302.C1
Gene No.	21041	Strand	-
Start	7965	End	13913
Name	OJ000129_40.0302.C1.o4.ts	Method	TBLASTX:Soybean
Start	1546	End	1860
GI	none	Score	191
Exons	1546..1860		

Seq. No.	9876	Seq. ID	OJ000129_40.0302.C1
Gene No.	21041	Strand	-
Start	7965	End	13913
Name	OJ000129_40.0302.C1.o8.tm	Method	TBLASTX:Maize

Start	1828	End	2025
GI	none	Score	124
Exons	1828..2025, 1829..1978		

Seq. No.	9876	Seq. ID	OJ000129_40.0302.C1
Gene No.	21041	Strand	-
Start	7965	End	13913
Name	OJ000129_40.0302.C1.o8.tw	Method	TBLASTX:Wheat
Start	2029	End	2382
GI	none	Score	58
Exons	2029..2382, 2072..2206, 2233..2361		

Seq. No.	9876	Seq. ID	OJ000129_40.0302.C1
Gene No.	21041	Strand	-
Start	7965	End	13913
Name	OJ000129_40.0302.C1.o7.tm	Method	TBLASTX:Maize
Start	2114	End	2427
GI	none	Score	41
Exons	2114..2194, 2116..2427, 2263..2307, 2291..2383		

Seq. No.	9876	Seq. ID	OJ000129_40.0302.C1
Gene No.	21041	Strand	-
Start	7965	End	13913
Name	OJ000129_40.0302.C1.o7.tw	Method	TBLASTX:Wheat
Start	2737	End	13913
GI	none	Score	48
Exons	2737..3081, 2886..2978, 2951..3055, 13617..13913, 13640..13810		

Seq. No.	9876	Seq. ID	OJ000129_40.0302.C1
Gene No.	21041	Strand	-
Start	7965	End	13913
Name	OJ000129_40.0302.C1.o6.tm	Method	TBLASTX:Maize
Start	2782	End	13913
GI	none	Score	47
Exons	2782..3081, 2783..2863, 2951..3055, 13617..13913, 13640..13804, 13845..13913		

Seq. No.	9876	Seq. ID	OJ000129_40.0302.C1
Gene No.	21041	Strand	-
Start	7965	End	13913
Name	OJ000129_40.0302.C1.o9.tw	Method	TBLASTX:Wheat
Start	3133	End	13569
GI	none	Score	127
Exons	3133..3315, 3134..3313, 13280..13324, 13383..13565, 13385..13564, 13392..13565, 13429..13569		

Seq. No.	9876	Seq. ID	OJ000129_40.0302.C1
Gene No.	21041	Strand	-
Start	7965	End	13913
Name	OJ000129_40.0302.C1.o9.tm	Method	TBLASTX:Maize
Start	7958	End	8204
GI	none	Score	48
Exons	7958..7990, 7958..7984, 7992..8174, 7992..8204		

Seq. No.	9876	Seq. ID	OJ000129_40.0302.C1
Gene No.	21041	Strand	-
Start	7965	End	13913

Name	OJ000129_40.0302.C1.o4.gs	Method	GENSCAN
Start	7965	End	9362
GI	none	Score	.72
Exons	7965..9362		

Seq. No.	9876	Seq. ID	OJ000129_40.0302.C1
Gene No.	21041	Strand	-
Start	7965	End	13913
Name	OJ000129_40.0302.C1.o3.np	Method	AAT/NAP
Start	7968	End	13530
GI	4680179	Score	2308
Exons	7968..9550, 13504..13530		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	9876	Seq. ID	OJ000129_40.0302.C1
Gene No.	21041	Strand	-
Start	7965	End	13913
Name	OJ000129_40.0302.C1.o5.tw	Method	TBLASTX:Wheat
Start	8013	End	8346
GI	none	Score	44
Exons	8013..8345, 8206..8253, 8229..8342, 8272..8346		

Seq. No.	9876	Seq. ID	OJ000129_40.0302.C1
Gene No.	21041	Strand	-
Start	7965	End	13913
Name	OJ000129_40.0302.C1.o1.tm	Method	TBLASTX:Maize
Start	8208	End	8792
GI	none	Score	67
Exons	8208..8633, 8331..8519, 8332..8634, 8629..8784, 8631..8792, 8638..8784, 8640..8786		

Seq. No.	9876	Seq. ID	OJ000129_40.0302.C1
Gene No.	21041	Strand	-
Start	7965	End	13913
Name	OJ000129_40.0302.C1.o1.tw	Method	TBLASTX:Wheat
Start	8346	End	8972
GI	none	Score	51
Exons	8346..8972, 8347..8415, 8352..8597, 8458..8970		

Seq. No.	9876	Seq. ID	OJ000129_40.0302.C1
Gene No.	21041	Strand	-
Start	7965	End	13913
Name	OJ000129_40.0302.C1.o3.tm	Method	TBLASTX:Maize
Start	8841	End	9133
GI	none	Score	269
Exons	8841..9131, 8845..9132, 9032..9133		

Seq. No.	9876	Seq. ID	OJ000129_40.0302.C1
Gene No.	21041	Strand	-
Start	7965	End	13913
Name	OJ000129_40.0302.C1.o2.ts	Method	TBLASTX:Soybean
Start	8931	End	9191
GI	none	Score	73
Exons	8931..9167, 8931..9191, 8932..9189		

Seq. No.	9876	Seq. ID	OJ000129_40.0302.C1
Gene No.	21041	Strand	-

Start	7965	End	13913
Name	OJ000129_40.0302.C1.o3.tw	Method	TBLASTX:Wheat
Start	8979	End	9488
GI	none	Score	374
Exons	8979..9485, 8980..9477, 9030..9488		

Seq. No.	9876	Seq. ID	OJ000129_40.0302.C1
Gene No.	21041	Strand	-
Start	7965	End	13913
Name	OJ000129_40.0302.C1.o5.gs	Method	GENSCAN
Start	10419	End	10739
GI	none	Score	.71
Exons	10419..10739		

Seq. No.	9876	Seq. ID	OJ000129_40.0302.C1
Gene No.	21041	Strand	-
Start	7965	End	13913
Name	OJ000129_40.0302.C1.o1.gp	Method	AAT/GAP
Start	12400	End	12715
GI	61605_3.R1084	Score	376
Exons	12400..12715		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	9877	Seq. ID	OJ000129_40.0302.C2
Gene No.	21042	Strand	+
Start	127	End	7532
Name	OJ000129_40.0302.C2.o1.gs	Method	GENSCAN
Start	127	End	6937
GI	none	Score	.79
Exons	127..802, 4242..4760, 5457..5543, 5790..6007, 6896..6937		

Seq. No.	9877	Seq. ID	OJ000129_40.0302.C2
Gene No.	21042	Strand	+
Start	127	End	7532
Name	OJ000129_40.0302.C2.o1.np	Method	AAT/NAP
Start	2472	End	7532
GI	6665543	Score	861
Exons	2472..2509, 4619..4760, 4983..5074, 5211..6271, 7475..7532		
GI Descrip.	(AC013289) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	9877	Seq. ID	OJ000129_40.0302.C2
Gene No.	21043	Strand	-
Start	10309	End	11350
Name	OJ000129_40.0302.C2.o2.gs	Method	GENSCAN
Start	10309	End	11350
GI	none	Score	.59
Exons	10309..10421, 10691..10850, 11177..11230, 11309..11350		

Seq. No.	9877	Seq. ID	OJ000129_40.0302.C2
Gene No.	21044	Strand	-
Start	17469	End	19887
Name	OJ000129_40.0302.C2.o5.gs	Method	GENSCAN
Start	17469	End	19887
GI	none	Score	.56
Exons	17469..17521, 19821..19887		

Seq. No.	9877	Seq. ID	OJ000129_40.0302.C2
Gene No.	21045	Strand	-
Start	21264	End	30467
Name	OJ000129_40.0302.C2.o1.tc	Method	TBLASTX:Cress
Start	34	End	6276
GI	none	Score	78
Exons	34..96, 730..792, 4268..4330, 4577..4612, 4697..4759, 5306..5695, 5423..5671, 5560..5685, 5696..6271, 5701..5967, 5747..6001, 6160..6276		

Seq. No.	9877	Seq. ID	OJ000129_40.0302.C2
Gene No.	21045	Strand	-
Start	21264	End	30467
Name	OJ000129_40.0302.C2.o1.ts	Method	TBLASTX:Soybean
Start	5303	End	6091
GI	none	Score	184
Exons	5303..5494, 5429..5533, 5542..5685, 5543..5695, 5696..6091, 5725..5964		

Seq. No.	9877	Seq. ID	OJ000129_40.0302.C2
Gene No.	21045	Strand	-
Start	21264	End	30467
Name	OJ000129_40.0302.C2.o1.tm	Method	TBLASTX:Maize
Start	-5306	End	6280
GI	none	Score	368
Exons	5306..5695, 5317..5439, 5482..5673, 5723..6280, 5737..5955, 5741..6022, 6065..6253		

Seq. No.	9877	Seq. ID	OJ000129_40.0302.C2
Gene No.	21045	Strand	-
Start	21264	End	30467
Name	OJ000129_40.0302.C2.o1.tw	Method	TBLASTX:Wheat
Start	5396	End	5776
GI	none	Score	332
Exons	5396..5695, 5396..5638, 5482..5673, 5720..5776		

Seq. No.	9877	Seq. ID	OJ000129_40.0302.C2
Gene No.	21045	Strand	-
Start	21264	End	30467
Name	OJ000129_40.0302.C2.o2.tw	Method	TBLASTX:Wheat
Start	5777	End	6046
GI	none	Score	128
Exons	5777..5896, 5779..5895, 5905..5955, 5906..6043, 5924..6046		

Seq. No.	9877	Seq. ID	OJ000129_40.0302.C2
Gene No.	21045	Strand	-
Start	21264	End	30467
Name	OJ000129_40.0302.C2.o2.np	Method	AAT/NAP
Start	21264	End	30467
GI	4584539	Score	311
Exons	21264..21322, 23393..24515, 30446..30467		
GI Descrip.	(AL049608) extensin-like protein [Arabidopsis thaliana]		

Seq. No.	9877	Seq. ID	OJ000129_40.0302.C2
Gene No.	21045	Strand	-
Start	21264	End	30467
Name	OJ000129_40.0302.C2.o3.tm	Method	TBLASTX:Maize

Start	23370	End	29012
GI	none	Score	117
Exons	23370..23462, 28596..28823, 28644..28787, 28863..29012		

Seq. No.	9877	Seq. ID	OJ000129_40.0302.C2
Gene No.	21045	Strand	-
Start	21264	End	30467
Name	OJ000129_40.0302.C2.o7.gs	Method	GENSCAN
Start	28239	End	29825
GI	none	Score	1
Exons	28239..29825		

Seq. No.	9877	Seq. ID	OJ000129_40.0302.C2
Gene No.	21045	Strand	-
Start	21264	End	30467
Name	OJ000129_40.0302.C2.o3.np	Method	AAT/NAP
Start	28353	End	29822
GI	4415920	Score	949
Exons	28353..29822		
GI Descrip.	(AC006282) putative glucosyl transferase [Arabidopsis thaliana]		

Seq. No.	9877	Seq. ID	OJ000129_40.0302.C2
Gene No.	21045	Strand	-
Start	21264	End	30467
Name	OJ000129_40.0302.C2.o2.ts	Method	TBLASTX:Soybean
Start	28590	End	29801
GI	none	Score	97
Exons	28590..29003, 28648..28773, 28888..28998, 29082..29216, 29277..29468, 29571..29801		

Seq. No.	9877	Seq. ID	OJ000129_40.0302.C2
Gene No.	21045	Strand	-
Start	21264	End	30467
Name	OJ000129_40.0302.C2.o3.tw	Method	TBLASTX:Wheat
Start	28596	End	28917
GI	none	Score	94
Exons	28596..28838, 28642..28773, 28818..28916, 28864..28917		

Seq. No.	9877	Seq. ID	OJ000129_40.0302.C2
Gene No.	21045	Strand	-
Start	21264	End	30467
Name	OJ000129_40.0302.C2.o2.tc	Method	TBLASTX:Cress
Start	28599	End	29018
GI	none	Score	83
Exons	28599..28820, 28660..28773, 28827..29018, 28894..28998		

Seq. No.	9877	Seq. ID	OJ000129_40.0302.C2
Gene No.	21045	Strand	-
Start	21264	End	30467
Name	OJ000129_40.0302.C2.o3.tc	Method	TBLASTX:Cress
Start	29454	End	29798
GI	none	Score	257
Exons	29454..29798		

Seq. No.	9877	Seq. ID	OJ000129_40.0302.C2
Gene No.	21045	Strand	-
Start	21264	End	30467

Name	OJ000129_40.0302.C2.o2.tm	Method	TBLASTX:Maize
Start	29514	End	29798
GI	none	Score	72
Exons	29514..29591, 29571..29798, 29743..29784		

Seq. No.	9877	Seq. ID	OJ000129_40.0302.C2
Gene No.	21045	Strand	-
Start	21264	End	30467
Name	OJ000129_40.0302.C2.o4.tw	Method	TBLASTX:Wheat
Start	29520	End	29798
GI	none	Score	208
Exons	29520..29798		

Seq. No.	9878	Seq. ID	OJ000129_40.0302.C3
Gene No.	21046	Strand	-
Start	653	End	3257
Name	OJ000129_40.0302.C3.o1.gs	Method	GENSCAN
Start	653	End	3257
GI	none	Score	.79
Exons	653..742, 1906..2048, 2500..2599, 2809..2886, 3142..3257		

Seq. No.	9879	Seq. ID	OJ000129_40.0302.C4
Gene No.	21047	Strand	+
Start	7653	End	11444
Name	OJ000129_40.0302.C4.o1.np	Method	AAT/NAP
Start	7653	End	11444
GI	5091513	Score	2262
Exons	7653..8630, 9278..10391, 10424..10507, 11223..11444		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	9879	Seq. ID	OJ000129_40.0302.C4
Gene No.	21048	Strand	+
Start	13082	End	13329
Name	OJ000129_40.0302.C4.o4.gp	Method	AAT/GAP
Start	13082	End	13329
GI	3761181	Score	438
Exons	13082..13329		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	9879	Seq. ID	OJ000129_40.0302.C4
Gene No.	21049	Strand	-
Start	320	End	7520
Name	OJ000129_40.0302.C4.o1.gs	Method	GENSCAN
Start	320	End	7520
GI	none	Score	.5
Exons	320..585, 1605..1676, 3253..3373, 3991..4145, 5516..5550, 7155..7322, 7418..7520		

Seq. No.	9879	Seq. ID	OJ000129_40.0302.C4
Gene No.	21049	Strand	-
Start	320	End	7520
Name	OJ000129_40.0302.C4.o1.gp	Method	AAT/GAP
Start	508	End	4139
GI	2796424	Score	458
Exons	508..585, 3975..4139		

Seq. No.	9879	Seq. ID	OJ000129_40.0302.C4
Gene No.	21049	Strand	-
Start	320	End	7520
Name	OJ000129_40.0302.C4.o1.tm	Method	TBLASTX:Maize
Start	3972	End	4667
GI	none	Score	138
Exons	3972..4193, 3991..4197, 4273..4335, 4274..4333, 4410..4499, 4417..4491, 4557..4667, 4558..4665		

Seq. No.	9879	Seq. ID	OJ000129_40.0302.C4
Gene No.	21049	Strand	-
Start	320	End	7520
Name	OJ000129_40.0302.C4.o1.tc	Method	TBLASTX:Cress
Start	4089	End	4661
GI	none	Score	79
Exons	4089..4184, 4089..4193, 4090..4194, 4273..4335, 4277..4333, 4416..4475, 4420..4476, 4563..4661, 4564..4653		

Seq. No.	9879	Seq. ID	OJ000129_40.0302.C4
Gene No.	21049	Strand	-
Start	320	End	7520
Name	OJ000129_40.0302.C4.o1.ts	Method	TBLASTX:Soybean
Start	4092	End	4661
GI	none	Score	76
Exons	4092..4193, 4093..4197, 4246..4335, 4416..4475, 4563..4661, 4564..4656		

Seq. No.	9879	Seq. ID	OJ000129_40.0302.C4
Gene No.	21049	Strand	-
Start	320	End	7520
Name	OJ000129_40.0302.C4.o2.gp	Method	AAT/GAP
Start	4291	End	5471
GI	none	Score	441
Exons	4291..4336, 4420..4476, 4564..4706, 5413..5471		

Seq. No.	9880	Seq. ID	OJ000129_40.0302.C5
Gene No.	21050	Strand	+
Start	1231	End	2007
Name	OJ000129_40.0302.C5.o1.gs	Method	GENSCAN
Start	1231	End	2007
GI	none	Score	.54
Exons	1231..1274, 1568..1787, 1891..2007		

Seq. No.	9881	Seq. ID	OJ000129_40.0302.C6
Gene No.	21051	Strand	+
Start	134	End	551
Name	OJ000129_40.0302.C6.o1.gs	Method	GENSCAN
Start	134	End	551
GI	none	Score	.61
Exons	134..346, 437..551		

Seq. No.	9882	Seq. ID	OJ000129_40.0302.C7
Gene No.	21052	Strand	+
Start	2762	End	3581
Name	OJ000129_40.0302.C7.o2.gs	Method	GENSCAN
Start	2762	End	3581
GI	none	Score	.93

Exons	2762..2959, 2970..3581		
Seq. No.	9882	Seq. ID	OJ000129_40.0302.C7
Gene No.	21053	Strand	-
Start	1	End	3036
Name	OJ000129_40.0302.C7.o1.np	Method	AAT/NAP
Start	1	End	3036
GI	2130141	Score	1579
Exons	1..1338, 1412..1680, 1720..1899, 2976..3036		
GI Descrip.	mudrA protein - maize transposon MuDR gi|540581 (M76978) mudrA [Zea mays] gi|595816 (U14597) mudrA gene product [Zea mays]		
Seq. No.	9882	Seq. ID	OJ000129_40.0302.C7
Gene No.	21053	Strand	-
Start	1	End	3036
Name	OJ000129_40.0302.C7.o1.gs	Method	GENSCAN
Start	24	End	2586
GI	none	Score	.56
Exons	24..535, 1224..1338, 1412..2057, 2378..2586		
Seq. No.	9882	Seq. ID	OJ000129_40.0302.C7
Gene No.	21053	Strand	-
Start	1	End	3036
Name	OJ000129_40.0302.C7.o1.tm	Method	TBLASTX:Maize
Start	115	End	890
GI	none	Score	64
Exons	115..174, 120..170, 174..629, 187..633, 633..869, 639..890, 640..882		
Seq. No.	9882	Seq. ID	OJ000129_40.0302.C7
Gene No.	21053	Strand	-
Start	1	End	3036
Name	OJ000129_40.0302.C7.o2.tm	Method	TBLASTX:Maize
Start	1102	End	1543
GI	none	Score	61
Exons	1102..1221, 1103..1195, 1104..1208, 1105..1221, 1234..1341, 1410..1523, 1415..1543, 1433..1543		
Seq. No.	9883	Seq. ID	OJ000129_40.0302.C8
Gene No.	21054	Strand	-
Start	165	End	276
Name	OJ000129_40.0302.C8.o1.gs	Method	GENSCAN
Start	165	End	276
GI	none	Score	.75
Exons	165..276		
Seq. No.	9884	Seq. ID	OJ000129_40.0302.C9
Gene No.	21055	Strand	+
Start	1	End	695
Name	OJ000129_40.0302.C9.o1.np	Method	AAT/NAP
Start	1	End	695
GI	5091513	Score	921
Exons	1..695		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		
Seq. No.	9884	Seq. ID	OJ000129_40.0302.C9
Gene No.	21055	Strand	+

Start	1	End	695
Name	OJ000129_40.0302.C9.o1.gs	Method	GENSCAN
Start	45	End	677
GI	none	Score	.97
Exons	45..677		

Seq. No.	9885	Seq. ID	OJ000129_40.0302.C11
Gene No.	21056	Strand	+
Start	3272	End	11509
Name	OJ000129_40.0302.C11.o2.gs	Method	GENSCAN
Start	3272	End	11509
GI	none	Score	.42
Exons	3272..3397, 4085..4600, 4663..4997, 5116..6941, 6982..7245, 8933..9119, 9348..9417, 10562..10639, 10856..11048, 11277..11509		

Seq. No.	9885	Seq. ID	OJ000129_40.0302.C11
Gene No.	21056	Strand	+
Start	3272	End	11509
Name	OJ000129_40.0302.C11.o1.np	Method	AAT/NAP
Start	4241	End	8021
GI	6630696	Score	5674
Exons	4241..8021		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	9885	Seq. ID	OJ000129_40.0302.C11
Gene No.	21057	Strand	-
Start	10832	End	14636
Name	OJ000129_40.0302.C11.o4.np	Method	AAT/NAP
Start	10832	End	14636
GI	6721547	Score	94
Exons	10832..10858, 11437..11531, 14549..14636		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	9885	Seq. ID	OJ000129_40.0302.C11
Gene No.	21057	Strand	-
Start	10832	End	14636
Name	OJ000129_40.0302.C11.o3.np	Method	AAT/NAP
Start	12684	End	13230
GI	6041846	Score	507
Exons	12684..13230		
GI Descrip.	(AC009853) unknown protein [Arabidopsis thaliana]		

Seq. No.	9885	Seq. ID	OJ000129_40.0302.C11
Gene No.	21057	Strand	-
Start	10832	End	14636
Name	OJ000129_40.0302.C11.o1.gp	Method	AAT/GAP
Start	12691	End	12960
GI	3061204	Score	495
Exons	12691..12960		
GI Descrip.	6041846/gb|AAF02155.1|AC009853_15 6.0e-16 (AC009853) unknown protein [Arabidopsis thaliana]		

Seq. No.	9885	Seq. ID	OJ000129_40.0302.C11
Gene No.	21057	Strand	-
Start	10832	End	14636

Name	OJ000129_40.0302.C11.o2.gp	Method	AAT/GAP
Start	13007	End	13493
GI	569130	Score	673
Exons	13007..13272, 13386..13493		
GI Descrip.	6041846/gb|AAF02155.1|AC009853_15 1.0e-09 (AC009853) unknown protein [Arabidopsis thaliana]		

Seq. No.	9885	Seq. ID	OJ000129_40.0302.C11
Gene No.	21058	Strand	-
Start	22356	End	23130
Name	OJ000129_40.0302.C11.o4.tw	Method	TBLASTX:Wheat
Start	4136	End	4531
GI	none	Score	125
Exons	4136..4270, 4310..4531, 4310..4531		

Seq. No.	9885	Seq. ID	OJ000129_40.0302.C11
Gene No.	21058	Strand	-
Start	22356	End	23130
Name	OJ000129_40.0302.C11.o6.tm	Method	TBLASTX:Maize
Start	4286	End	4558
GI	none	Score	243
Exons	4286..4558, 4307..4558		

Seq. No.	9885	Seq. ID	OJ000129_40.0302.C11
Gene No.	21058	Strand	-
Start	22356	End	23130
Name	OJ000129_40.0302.C11.o1.tm	Method	TBLASTX:Maize
Start	5087	End	5491
GI	none	Score	372
Exons	5087..5431, 5110..5394, 5115..5408, 5429..5491		

Seq. No.	9885	Seq. ID	OJ000129_40.0302.C11
Gene No.	21058	Strand	-
Start	22356	End	23130
Name	OJ000129_40.0302.C11.o4.tm	Method	TBLASTX:Maize
Start	5579	End	6043
GI	none	Score	284
Exons	5579..6043, 5860..5970		

Seq. No.	9885	Seq. ID	OJ000129_40.0302.C11
Gene No.	21058	Strand	-
Start	22356	End	23130
Name	OJ000129_40.0302.C11.o5.tw	Method	TBLASTX:Wheat
Start	5687	End	5878
GI	none	Score	238
Exons	5687..5878, 5694..5876, 5698..5877		

Seq. No.	9885	Seq. ID	OJ000129_40.0302.C11
Gene No.	21058	Strand	-
Start	22356	End	23130
Name	OJ000129_40.0302.C11.o1.ts	Method	TBLASTX:Soybean
Start	5831	End	6229
GI	none	Score	197
Exons	5831..6052, 5902..6051, 6056..6229		

Seq. No.	9885	Seq. ID	OJ000129_40.0302.C11
Gene No.	21058	Strand	-

Start	22356	End	23130
Name	OJ000129_40.0302.C11.o1.tw	Method	TBLASTX:Wheat
Start	5879	End	6634
GI	none	Score	905
Exons	5879..6634, 5886..6044, 5887..6384, 6084..6629, 6101..6634		

Seq. No.	9885	Seq. ID	OJ000129_40.0302.C11
Gene No.	21058	Strand	-
Start	22356	End	23130
Name	OJ000129_40.0302.C11.o2.ts	Method	TBLASTX:Soybean
Start	6566	End	6959
GI	5752663	Score	214
Exons	6566..6865, 6628..6816, 6852..6959		
GI Descrip.	-		

Seq. No.	9885	Seq. ID	OJ000129_40.0302.C11
Gene No.	21058	Strand	-
Start	22356	End	23130
Name	OJ000129_40.0302.C11.o1.tc	Method	TBLASTX:Cress
Start	6647	End	6908
GI	none	Score	240
Exons	6647..6865, 6649..6819, 6852..6908		

Seq. No.	9885	Seq. ID	OJ000129_40.0302.C11
Gene No.	21058	Strand	-
Start	22356	End	23130
Name	OJ000129_40.0302.C11.o3.tm	Method	TBLASTX:Maize
Start	6688	End	7136
GI	none	Score	158
Exons	6688..6819, 6689..6865, 6852..7136, 6855..6905		

Seq. No.	9885	Seq. ID	OJ000129_40.0302.C11
Gene No.	21058	Strand	-
Start	22356	End	23130
Name	OJ000129_40.0302.C11.o3.tw	Method	TBLASTX:Wheat
Start	6689	End	7253
GI	none	Score	160
Exons	6689..6865, 6706..6852, 6852..7034, 7029..7253		

Seq. No.	9885	Seq. ID	OJ000129_40.0302.C11
Gene No.	21058	Strand	-
Start	22356	End	23130
Name	OJ000129_40.0302.C11.o3.ts	Method	TBLASTX:Soybean
Start	7088	End	7439
GI	none	Score	135
Exons	7088..7216, 7089..7247, 7250..7435, 7251..7436, 7257..7439		

Seq. No.	9885	Seq. ID	OJ000129_40.0302.C11
Gene No.	21058	Strand	-
Start	22356	End	23130
Name	OJ000129_40.0302.C11.o5.tm	Method	TBLASTX:Maize
Start	7239	End	7588
GI	none	Score	242
Exons	7239..7526, 7245..7517, 7253..7525, 7346..7531, 7534..7587, 7535..7588		

Seq. No.	9885	Seq. ID	OJ000129_40.0302.C11

Gene No.	21058	Strand	-
Start	22356	End	23130
Name	OJ000129_40.0302.C11.o2.tw	Method	TBLASTX:Wheat
Start	7443	End	7885
GI	none	Score	108
Exons	7443..7517, 7443..7523, 7444..7518, 7526..7612, 7534..7608, 7535..7609, 7604..7678, 7605..7883, 7605..7856, 7781..7885		

Seq. No.	9885	Seq. ID	OJ000129_40.0302.C11
Gene No.	21058	Strand	-
Start	22356	End	23130
Name	OJ000129_40.0302.C11.o6.tw	Method	TBLASTX:Wheat
Start	8364	End	8727
GI	none	Score	68
Exons	8364..8435, 8365..8436, 8365..8442, 8437..8508, 8445..8507, 8508..8597, 8509..8601, 8510..8578, 8512..8598, 8536..8685, 8611..8727, 8624..8698		

Seq. No.	9885	Seq. ID	OJ000129_40.0302.C11
Gene No.	21058	Strand	-
Start	22356	End	23130
Name	OJ000129_40.0302.C11.o2.tc	Method	TBLASTX:Cress
Start	12882	End	13199
GI	none	Score	70
Exons	12882..13082, 12883..13008, 13089..13199, 13093..13191		

Seq. No.	9885	Seq. ID	OJ000129_40.0302.C11
Gene No.	21058	Strand	-
Start	22356	End	23130
Name	OJ000129_40.0302.C11.o2.tm	Method	TBLASTX:Maize
Start	13035	End	13236
GI	none	Score	93
Exons	13035..13127, 13035..13235, 13045..13236		

Seq. No.	9885	Seq. ID	OJ000129_40.0302.C11
Gene No.	21058	Strand	-
Start	22356	End	23130
Name	OJ000129_40.0302.C11.o4.gs	Method	GENSCAN
Start	22356	End	23130
GI	none	Score	.74
Exons	22356..22494, 22847..23130		

Seq. No.	9886	Seq. ID	OJ000209_15.0302.C3
Gene No.	21059	Strand	+
Start	26	End	202
Name	OJ000209_15.0302.C3.o1.gs	Method	GENSCAN
Start	26	End	202
GI	none	Score	.72
Exons	26..202		

Seq. No.	9887	Seq. ID	OJ000209_15.0302.C6
Gene No.	21060	Strand	-
Start	73	End	669
Name	OJ000209_15.0302.C6.o1.gs	Method	GENSCAN
Start	73	End	669
GI	none	Score	.54
Exons	73..164, 170..373, 412..669		

Seq. No.	9888	Seq. ID	OJ000209_15.0302.C7
Gene No.	21061	Strand	+
Start	182	End	1377
Name	OJ000209_15.0302.C7.o1.gs	Method	GENSCAN
Start	182	End	1377
GI	none	Score	.98
Exons	182..443, 521..722, 1142..1377		

Seq. No.	9888	Seq. ID	OJ000209_15.0302.C7
Gene No.	21062	Strand	-
Start	2942	End	3468
Name	OJ000209_15.0302.C7.o2.gs	Method	GENSCAN
Start	2942	End	3468
GI	none	Score	.63
Exons	2942..3331, 3406..3468		

Seq. No.	9889	Seq. ID	OJ000209_15.0302.C8
Gene No.	21063	Strand	+
Start	88	End	4862
Name	OJ000209_15.0302.C8.o1.gs	Method	GENSCAN
Start	88	End	4862
GI	none	Score	.58
Exons	88..191, 3674..3813, 3875..4062, 4431..4862		

Seq. No.	9889	Seq. ID	OJ000209_15.0302.C8
Gene No.	21064	Strand	-
Start	6377	End	7392
Name	OJ000209_15.0302.C8.o2.gs	Method	GENSCAN
Start	6377	End	7392
GI	none	Score	.49
Exons	6377..6629, 6930..6966, 7002..7392		

Seq. No.	9890	Seq. ID	OJ000209_15.0302.C9
Gene No.	21065	Strand	+
Start	300	End	966
Name	OJ000209_15.0302.C9.o1.gs	Method	GENSCAN
Start	300	End	966
GI	none	Score	.72
Exons	300..411, 875..966		

Seq. No.	9890	Seq. ID	OJ000209_15.0302.C9
Gene No.	21066	Strand	+
Start	7886	End	8047
Name	OJ000209_15.0302.C9.o2.np	Method	AAT/NAP
Start	7886	End	8047
GI	5852172	Score	81
Exons	7886..8047		
GI Descrip.	(AL117265) zhb0002.1 [Oryza sativa]		

Seq. No.	9890	Seq. ID	OJ000209_15.0302.C9
Gene No.	21067	Strand	+
Start	8605	End	11641
Name	OJ000209_15.0302.C9.o4.gs	Method	GENSCAN
Start	8605	End	11641
GI	none	Score	.45
Exons	8605..8831, 9463..9593, 11165..11379, 11618..11641		

Seq. No.	9890	Seq. ID	OJ000209_15.0302.C9
Gene No.	21068	Strand	+
Start	19195	End	23253
Name	OJ000209_15.0302.C9.o6.gs	Method	GENSCAN
Start	19195	End	23002
GI	none	Score	.49
Exons	19195..19536, 19603..19866, 20636..21187, 21268..21469, 21494..21607, 21712..22172, 22469..23002		

Seq. No.	9890	Seq. ID	OJ000209_15.0302.C9
Gene No.	21068	Strand	+
Start	19195	End	23253
Name	OJ000209_15.0302.C9.o4.np	Method	AAT/NAP
Start	19242	End	23253
GI	5091513	Score	1481
Exons	19242..19902, 20636..21339, 21431..21880, 22778..22949, 23177..23253		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	9890	Seq. ID	OJ000209_15.0302.C9
Gene No.	21069	Strand	-
Start	1607	End	6865
Name	OJ000209_15.0302.C9.o2.gs	Method	GENSCAN
Start	1607	End	4375
GI	none	Score	.53
Exons	1607..1825, 2137..2584, 2829..3092, 3424..3671, 4163..4375		

Seq. No.	9890	Seq. ID	OJ000209_15.0302.C9
Gene No.	21069	Strand	-
Start	1607	End	6865
Name	OJ000209_15.0302.C9.o1.np	Method	AAT/NAP
Start	2084	End	6568
GI	5803275	Score	446
Exons	2084..2127, 5557..5646, 6241..6568		
GI Descrip.	(AP000399) EST AU056133(S20320) corresponds to a region of the predicted gene; similar to Caenorhabditis elegans cosmid D1054; hypothetical protein (Z74030) [Oryza sativa]		

Seq. No.	9890	Seq. ID	OJ000209_15.0302.C9
Gene No.	21069	Strand	-
Start	1607	End	6865
Name	OJ000209_15.0302.C9.o3.gs	Method	GENSCAN
Start	5404	End	6865
GI	none	Score	.48
Exons	5404..5409, 5557..5646, 6389..6481, 6791..6865		

Seq. No.	9890	Seq. ID	OJ000209_15.0302.C9
Gene No.	21070	Strand	-
Start	12807	End	15760
Name	OJ000209_15.0302.C9.o5.gs	Method	GENSCAN
Start	12807	End	15760
GI	none	Score	.48
Exons	12807..13108, 13365..13818, 13866..14291, 14322..14548, 14593..14731, 14808..15275, 15620..15760		

Seq. No.	9890	Seq. ID	OJ000209_15.0302.C9

Gene No.	21070	Strand	-
Start	12807	End	15760
Name	OJ000209_15.0302.C9.o3.np	Method	AAT/NAP
Start	12810	End	15760
GI	5902444	Score	3595
Exons	12810..15760		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	9890	Seq. ID	OJ000209_15.0302.C9
Gene No.	21071	Strand	-
Start	26129	End	32977
Name	OJ000209_15.0302.C9.o7.gs	Method	GENSCAN
Start	26129	End	26437
GI	none	Score	.91
Exons	26129..26437		

Seq. No.	9890	Seq. ID	OJ000209_15.0302.C9
Gene No.	21071	Strand	-
Start	26129	End	32977
Name	OJ000209_15.0302.C9.o5.np	Method	AAT/NAP
Start	26152	End	32977
GI	6523547	Score	231
Exons	26152..26484, 30135..30627, 30801..30880, 31010..31076, 32707..32977		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	9890	Seq. ID	OJ000209_15.0302.C9
Gene No.	21071	Strand	-
Start	26129	End	32977
Name	OJ000209_15.0302.C9.o8.gs	Method	GENSCAN
Start	27434	End	31219
GI	none	Score	.48
Exons	27434..27613, 27650..27695, 29831..30051, 30119..31079, 31119..31219		

Seq. No.	9890	Seq. ID	OJ000209_15.0302.C9
Gene No.	21072	Strand	-
Start	34174	End	34372
Name	OJ000209_15.0302.C9.o1.tm	Method	TBLASTX:Maize
Start	6226	End	6538
GI	none	Score	166
Exons	6226..6360, 6242..6361, 6359..6499, 6360..6416, 6394..6495, 6502..6537, 6503..6538		

Seq. No.	9890	Seq. ID	OJ000209_15.0302.C9
Gene No.	21072	Strand	-
Start	34174	End	34372
Name	OJ000209_15.0302.C9.o1.ts	Method	TBLASTX:Soybean
Start	6226	End	6550
GI	none	Score	153
Exons	6226..6360, 6242..6361, 6359..6493, 6360..6500, 6505..6540, 6506..6550		

Seq. No.	9890	Seq. ID	OJ000209_15.0302.C9
Gene No.	21072	Strand	-
Start	34174	End	34372

Name	OJ000209_15.0302.C9.o1.tc	Method	TBLASTX:Cress
Start	6268	End	6500
GI	none	Score	124
Exons	6268..6360, 6269..6361, 6359..6382, 6383..6499, 6456..6500		

Seq. No.	9890	Seq. ID	OJ000209_15.0302.C9
Gene No.	21072	Strand	-
Start	34174	End	34372
Name	OJ000209_15.0302.C9.o2.tw	Method	TBLASTX:Wheat
Start	6930	End	14454
GI	none	Score	61
Exons	6930..7034, 14052..14453, 14392..14454		

Seq. No.	9890	Seq. ID	OJ000209_15.0302.C9
Gene No.	21072	Strand	-
Start	34174	End	34372
Name	OJ000209_15.0302.C9.o1.tw	Method	TBLASTX:Wheat
Start	12678	End	13473
GI	none	Score	111
Exons	12678..12914, 12682..12843, 13018..13254, 13020..13256, 13345..13473		

Seq. No.	9890	Seq. ID	OJ000209_15.0302.C9
Gene No.	21072	Strand	-
Start	34174	End	34372
Name	OJ000209_15.0302.C9.o6.np	Method	AAT/NAP
Start	34174	End	34372
GI	6539570	Score	86
Exons	34174..34372		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	9891	Seq. ID	OJ000209_15.0302.C10
Gene No.	21073	Strand	+
Start	2111	End	2623
Name	OJ000209_15.0302.C10.o2.gs	Method	GENSCAN
Start	2111	End	2623
GI	none	Score	.79
Exons	2111..2164, 2420..2623		

Seq. No.	9891	Seq. ID	OJ000209_15.0302.C10
Gene No.	21074	Strand	-
Start	1	End	1054
Name	OJ000209_15.0302.C10.o1.np	Method	AAT/NAP
Start	1	End	479
GI	4836930	Score	203
Exons	1..479		
GI Descrip.	(AC006085) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	9891	Seq. ID	OJ000209_15.0302.C10
Gene No.	21074	Strand	-
Start	1	End	1054
Name	OJ000209_15.0302.C10.o1.gs	Method	GENSCAN
Start	16	End	1054
GI	none	Score	.52
Exons	16..295, 826..1054		

Seq. No.	9891	Seq. ID	OJ000209_15.0302.C10

Gene No.	21075	Strand	-
Start	1279	End	3736
Name	OJ000209_15.0302.C10.o1.ts	Method	TBLASTX:Soybean
Start	3	End	320
GI	none	Score	91
Exons	3..161, 7..162, 183..320, 187..318		

Seq. No.	9891	Seq. ID	OJ000209_15.0302.C10
Gene No.	21075	Strand	-
Start	1279	End	3736
Name	OJ000209_15.0302.C10.o1.tw	Method	TBLASTX:Wheat
Start	6	End	288
GI	none	Score	59
Exons	6..146, 67..147, 186..287, 187..288		

Seq. No.	9891	Seq. ID	OJ000209_15.0302.C10
Gene No.	21075	Strand	-
Start	1279	End	3736
Name	OJ000209_15.0302.C10.o3.np	Method	AAT/NAP
Start	1279	End	3736
GI	5042463	Score	190
Exons	1279..1409, 1461..1604, 2081..2303, 3712..3736		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	9892	Seq. ID	OJ000209_15.0302.C11
Gene No.	21076	Strand	+
Start	6412	End	8609
Name	OJ000209_15.0302.C11.o1.np	Method	AAT/NAP
Start	6412	End	8609
GI	6522540	Score	1054
Exons	6412..6703, 6776..8124, 8200..8609		
GI Descrip.	(AL132955) receptor-kinase like protein [Arabidopsis thaliana]		

Seq. No.	9892	Seq. ID	OJ000209_15.0302.C11
Gene No.	21077	Strand	-
Start	26	End	5233
Name	OJ000209_15.0302.C11.o1.gs	Method	GENSCAN
Start	26	End	5233
GI	none	Score	.47
Exons	26..165, 286..526, 1922..2083, 2981..3320, 3503..3585, 3612..3665, 3782..3973, 4537..4678, 5163..5233		

Seq. No.	9892	Seq. ID	OJ000209_15.0302.C11
Gene No.	21077	Strand	-
Start	26	End	5233
Name	OJ000209_15.0302.C11.o2.tm	Method	TBLASTX:Maize
Start	3154	End	3662
GI	none	Score	180
Exons	3154..3288, 3155..3301, 3201..3299, 3329..3373, 3449..3511, 3588..3662		

Seq. No.	9892	Seq. ID	OJ000209_15.0302.C11
Gene No.	21078	Strand	
Start	6475	End	8364
Name	OJ000209_15.0302.C11.o2.tw	Method	TBLASTX:Wheat
Start	6475	End	8340
GI	none	Score	136

Exons	6475..6651, 6475..6591, 6477..6593, 6688..6804, 8224..8340		
Seq. No.	9892	Seq. ID	OJ000209_15.0302.C11
Gene No.	21078	Strand	
Start	6475	End	8364
Name	OJ000209_15.0302.C11.o1.tm	Method	TBLASTX:Maize
Start	6562	End	8343
GI	none	Score	273
Exons	6562..7242, 6607..7215, 6622..7146, 6669..6956, 6720..7130, 6754..7245, 6892..7251, 6961..7248, 7005..7241, 7053..7247, 7255..7401, 7264..7392, 7279..7395, 7288..7365, 7288..7401, 7288..7401, 7348..7434, 7353..7385, 7546..7941, 7570..7932, 7579..7923, 7636..7932, 7657..7710, 7674..7847, 7723..7941, 7927..8343, 7939..8340, 7942..8322, 7942..8340		
Seq. No.	9892	Seq. ID	OJ000209_15.0302.C11
Gene No.	21078	Strand	
Start	6475	End	8364
Name	OJ000209_15.0302.C11.o1.tc	Method	TBLASTX:Cress
Start	6607	End	8364
GI	none	Score	67
Exons	6607..6711, 6613..6891, 6619..6813, 6621..7019, 6622..7248, 6627..6872, 6628..6885, 6655..6951, 6720..6815, 6720..6893, 6792..6965, 6865..7245, 6865..7038, 6865..7251, 6865..7113, 6967..7248, 7015..7251, 7033..7215, 7033..7245, 7108..7251, 7117..7179, 7252..7401, 7252..7392, 7261..7326, 7264..7395, 7279..7395, 7279..7437, 7282..7392, 7288..7392, 7561..7935, 7570..7629, 7570..7770, 7570..7770, 7579..7770, 7594..7914, 7609..7764, 7630..7941, 7630..7773, 7656..7823, 7705..7860, 7822..7941, 7822..7914, 7822..7989, 7939..8340, 7942..8286, 7942..8340, 7942..8124, 7948..8340, 7975..8277, 8047..8364, 8065..8256, 8185..8346, 8212..8343, 8257..8340		
Seq. No.	9892	Seq. ID	OJ000209_15.0302.C11
Gene No.	21078	Strand	
Start	6475	End	8364
Name	OJ000209_15.0302.C11.o1.ts	Method	TBLASTX:Soybean
Start	6613	End	8340
GI	none	Score	111
Exons	6613..6813, 6619..6816, 6622..6702, 6622..6813, 6622..6813, 6622..7023, 6622..6804, 6649..7242, 6649..7095, 6704..6805, 6705..6803, 6720..7091, 6751..7164, 6865..7401, 6865..7248, 6865..7236, 6925..7236, 6942..7034, 7141..7251, 7159..7401, 7249..7395, 7254..7406, 7255..7401, 7264..7383, 7279..7401, 7285..7395, 7492..7932, 7494..7832, 7495..7935, 7567..7770, 7567..7767, 7579..7761, 7579..7833, 7642..7941, 7671..7889, 7701..7844, 7822..8133, 7938..8054, 7939..8142, 7942..8295, 7942..8022, 7942..8199, 8077..8340, 8101..8340, 8188..8271		
Seq. No.	9892	Seq. ID	OJ000209_15.0302.C11
Gene No.	21078	Strand	
Start	6475	End	8364
Name	OJ000209_15.0302.C11.o1.tw	Method	TBLASTX:Wheat
Start	6925	End	8145
GI	none	Score	73
Exons	6925..7071, 6973..7191, 7209..7400, 7210..7401, 7404..7616, 7405..7614, 7510..7740, 7648..7773, 7957..8109, 8029..8145,		

8056..8142

Seq. No.	9893	Seq. ID	OJ000209_15.0302.C12
Gene No.	21079	Strand	+
Start	573	End	1409
Name	OJ000209_15.0302.C12.o1.gs	Method	GENSCAN
Start	573	End	1409
GI	none	Score	.6
Exons	573..1086, 1149..1265, 1380..1409		

Seq. No.	9894	Seq. ID	OJ000209_15.0302.C13
Gene No.	21080	Strand	+
Start	5	End	1471
Name	OJ000209_15.0302.C13.o1.gs	Method	GENSCAN
Start	5	End	1097
GI	none	Score	.85
Exons	5..266, 1066..1097		

Seq. No.	9894	Seq. ID	OJ000209_15.0302.C13
Gene No.	21080	Strand	+
Start	5	End	1471
Name	OJ000209_15.0302.C13.o1.np	Method	AAT/NAP
Start	267	End	1471
GI	1071886	Score	57
Exons	267..421, 1388..1471		
GI Descrip.	cysteine proteinase - chickpea gi|558563|emb|CAA57538| (X82011) cysteine proteinase [Cicer arietinum]		

Seq. No.	9894	Seq. ID	OJ000209_15.0302.C13
Gene No.	21081	Strand	-
Start	2410	End	3452
Name	OJ000209_15.0302.C13.o2.gs	Method	GENSCAN
Start	2410	End	3452
GI	none	Score	.63
Exons	2410..2516, 3083..3452		

Seq. No.	9895	Seq. ID	OJ000209_15.0302.C14
Gene No.	21082	Strand	-
Start	2289	End	3907
Name	OJ000209_15.0302.C14.o2.gs	Method	GENSCAN
Start	2289	End	3907
GI	none	Score	.69
Exons	2289..2369, 2421..2613, 3328..3589, 3763..3907		

Seq. No.	9896	Seq. ID	OJ000209_15.0302.C15
Gene No.	21083	Strand	+
Start	99	End	243
Name	OJ000209_15.0302.C15.o1.gs	Method	GENSCAN
Start	99	End	243
GI	none	Score	.95
Exons	99..243		

Seq. No.	9897	Seq. ID	OJ000209_15.0302.C16
Gene No.	21084	Strand	+
Start	11087	End	13535
Name	OJ000209_15.0302.C16.o3.np	Method	AAT/NAP
Start	11087	End	13529

GI	4835245	Score	353
Exons	11087..11146, 13164..13529		
GI Descrip.	(AL049862) putative mitochondrial protein [Arabidopsis thaliana]		

Seq. No.	9897	Seq. ID	OJ000209_15.0302.C16
Gene No.	21084	Strand	+
Start	11087	End	13535
Name	OJ000209_15.0302.C16.o3.gs	Method	GENSCAN
Start	12256	End	13535
GI	none	Score	.79
Exons	12256..12519, 12539..13048, 13152..13535		

Seq. No.	9897	Seq. ID	OJ000209_15.0302.C16
Gene No.	21085	Strand	-
Start	2482	End	9859
Name	OJ000209_15.0302.C16.o2.gs	Method	GENSCAN
Start	2482	End	9859
GI	none	Score	.48
Exons	2482..2624, 2757..3099, 3296..3641, 7001..7087, 7584..7612, 7905..8099, 8341..8501, 9826..9859		

Seq. No.	9897	Seq. ID	OJ000209_15.0302.C16
Gene No.	21085	Strand	-
Start	2482	End	9859
Name	OJ000209_15.0302.C16.o1.np	Method	AAT/NAP
Start	2874	End	3129
GI	4680197	Score	219
Exons	2874..3129		
GI Descrip.	(AF114171) putative beta-ketoacyl-CoA synthase [Sorghum bicolor]		

Seq. No.	9897	Seq. ID	OJ000209_15.0302.C16
Gene No.	21085	Strand	-
Start	2482	End	9859
Name	OJ000209_15.0302.C16.o2.tw	Method	TBLASTX:Wheat
Start	2939	End	3130
GI	none	Score	166
Exons	2939..3130, 2944..3129		

Seq. No.	9897	Seq. ID	OJ000209_15.0302.C16
Gene No.	21085	Strand	-
Start	2482	End	9859
Name	OJ000209_15.0302.C16.o2.tc	Method	TBLASTX:Cress
Start	2980	End	3129
GI	none	Score	124
Exons	2980..3129, 2981..3127		

Seq. No.	9897	Seq. ID	OJ000209_15.0302.C16
Gene No.	21085	Strand	-
Start	2482	End	9859
Name	OJ000209_15.0302.C16.o2.tm	Method	TBLASTX:Maize
Start	2980	End	3129
GI	none	Score	155
Exons	2980..3129, 2981..3121		

Seq. No.	9897	Seq. ID	OJ000209_15.0302.C16
Gene No.	21085	Strand	-
Start	2482	End	9859

Name	OJ000209_15.0302.C16.o2.ts	Method	TBLASTX:Soybean
Start	2980	End	3129
GI	none	Score	109
Exons	2980..3129, 2981..3115		

Seq. No.	9897	Seq. ID	OJ000209_15.0302.C16
Gene No.	21085	Strand	-
Start	2482	End	9859
Name	OJ000209_15.0302.C16.o2.np	Method	AAT/NAP
Start	5438	End	7108
GI	6689637	Score	62
Exons	5438..5508, 7055..7108		
GI Descrip.	(AJ245968) Toc34-1 protein [Zea mays]		

Seq. No.	9897	Seq. ID	OJ000209_15.0302.C16
Gene No.	21085	Strand	-
Start	2482	End	9859
Name	OJ000209_15.0302.C16.o1.gp	Method	AAT/GAP
Start	6652	End	7037
GI	uC-osflcyp139f08b1	Score	659
Exons	6652..7037		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-14 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	9897	Seq. ID	OJ000209_15.0302.C16
Gene No.	21086	Strand	
Start	13158	End	13529
Name	OJ000209_15.0302.C16.o1.tc	Method	TBLASTX:Cress
Start	13158	End	13508
GI	none	Score	343
Exons	13158..13508, 13179..13319, 13187..13432		

Seq. No.	9897	Seq. ID	OJ000209_15.0302.C16
Gene No.	21086	Strand	
Start	13158	End	13529
Name	OJ000209_15.0302.C16.o1.tm	Method	TBLASTX:Maize
Start	13161	End	13445
GI	none	Score	313
Exons	13161..13445, 13161..13322, 13184..13432		

Seq. No.	9897	Seq. ID	OJ000209_15.0302.C16
Gene No.	21086	Strand	
Start	13158	End	13529
Name	OJ000209_15.0302.C16.o1.ts	Method	TBLASTX:Soybean
Start	13161	End	13520
GI	none	Score	329
Exons	13161..13520, 13184..13432		

Seq. No.	9897	Seq. ID	OJ000209_15.0302.C16
Gene No.	21086	Strand	
Start	13158	End	13529
Name	OJ000209_15.0302.C16.o1.tw	Method	TBLASTX:Wheat
Start	13212	End	13529
GI	none	Score	291
Exons	13212..13418, 13212..13325, 13407..13529		

Seq. No.	9898	Seq. ID	OJ000209_15.0302.C17

Gene No.	21087	Strand	-
Start	140	End	905
Name	OJ000209_15.0302.C17.o1.gs	Method	GENSCAN
Start	140	End	905
GI	none	Score	.53
Exons	140..905		

Seq. No.	9899	Seq. ID	OJ000209_15.0302.C18
Gene No.	21088	Strand	+
Start	303	End	357
Name	OJ000209_15.0302.C18.o1.gs	Method	GENSCAN
Start	303	End	357
GI	none	Score	.65
Exons	303..357		

Seq. No.	9900	Seq. ID	OJ000209_15.0302.C19
Gene No.	21089	Strand	-
Start	1	End	148
Name	OJ000209_15.0302.C19.o1.gp	Method	AAT/GAP
Start	1	End	148
GI	2310351	Score	217
Exons	1..148		

Seq. No.	9901	Seq. ID	OJ000209_15.0302.C20
Gene No.	21090	Strand	-
Start	476	End	559
Name	OJ000209_15.0302.C20.o1.gp	Method	AAT/GAP
Start	476	End	559
GI	2310351	Score	138
Exons	476..559		

Seq. No.	9901	Seq. ID	OJ000209_15.0302.C20
Gene No.	21091	Strand	-
Start	482	End	1917
Name	OJ000209_15.0302.C20.o1.gs	Method	GENSCAN
Start	482	End	1917
GI	none	Score	.53
Exons	482..663, 1492..1917		

Seq. No.	9902	Seq. ID	OJ000209_15.0302.C21
Gene No.	21092	Strand	+
Start	1	End	1183
Name	OJ000209_15.0302.C21.o1.np	Method	AAT/NAP
Start	1	End	1183
GI	5305335	Score	79
Exons	1..206, 620..912, 1053..1183		
GI Descrip.	(AF071081) proline-rich mucin homolog [Mycobacterium tuberculosis]		

Seq. No.	9902	Seq. ID	OJ000209_15.0302.C21
Gene No.	21092	Strand	+
Start	1	End	1183
Name	OJ000209_15.0302.C21.o1.gs	Method	GENSCAN
Start	469	End	1103
GI	none	Score	.85
Exons	469..1103		

Seq. No.	9903	Seq. ID	OJ000119_08.0302.C1
Gene No.	21093	Strand	-
Start	2419	End	2712
Name	OJ000119_08.0302.C1.o2.gs	Method	GENSCAN
Start	2419	End	2712
GI	none	Score	.97
Exons	2419..2712		

Seq. No.	9904	Seq. ID	OJ000119_08.0302.C2
Gene No.	21094	Strand	+
Start	391	End	1505
Name	OJ000119_08.0302.C2.o1.gs	Method	GENSCAN
Start	391	End	1505
GI	none	Score	.43
Exons	391..475, 1430..1505		

Seq. No.	9904	Seq. ID	OJ000119_08.0302.C2
Gene No.	21095	Strand	-
Start	2912	End	3342
Name	OJ000119_08.0302.C2.o2.gs	Method	GENSCAN
Start	2912	End	3342
GI	none	Score	.84
Exons	2912..3342		

Seq. No.	9905	Seq. ID	OJ000119_08.0302.C3
Gene No.	21096	Strand	+
Start	5	End	235
Name	OJ000119_08.0302.C3.o1.gs	Method	GENSCAN
Start	5	End	235
GI	none	Score	.94
Exons	5..235		

Seq. No.	9905	Seq. ID	OJ000119_08.0302.C3
Gene No.	21097	Strand	+
Start	2143	End	7518
Name	OJ000119_08.0302.C3.o2.gs	Method	GENSCAN
Start	2143	End	7518
GI	none	Score	.47
Exons	2143..2159, 2695..2865, 3367..3517, 6604..7518		

Seq. No.	9905	Seq. ID	OJ000119_08.0302.C3
Gene No.	21098	Strand	+
Start	10376	End	16031
Name	OJ000119_08.0302.C3.o1.np	Method	AAT/NAP
Start	10376	End	15749
GI	927575	Score	827
Exons	10376..10537, 11528..11578, 11732..11790, 12160..12216, 12307..12341, 12572..12675, 12774..12846, 12944..13002, 13105..13170, 13264..13347, 13444..13508, 13601..13683, 13971..14061, 14525..14557, 15164..15321, 15663..15749		
GI Descrip.	(U12926) alpha galactosidase [Glycine max]		

Seq. No.	9905	Seq. ID	OJ000119_08.0302.C3
Gene No.	21098	Strand	+
Start	10376	End	16031
Name	OJ000119_08.0302.C3.o1.gp	Method	AAT/GAP
Start	11375	End	12329

GI	2312735	Score	538
Exons	11375..11578, 11732..11790, 12160..12216, 12307..12329		
GI Descrip.	927575 2.0e-16 (U12926) alpha galactosidase [Glycine max]		

Seq. No.	9905	Seq. ID	OJ000119_08.0302.C3
Gene No.	21098	Strand	+
Start	10376	End	16031
Name	OJ000119_08.0302.C3.o4.gs	Method	GENSCAN
Start	11385	End	15770
GI	none	Score	.75
Exons	11385..11578, 11732..11790, 12307..12341, 12572..12675, 13264..13347, 13444..13508, 13601..13791, 13971..14061, 14525..14583, 15181..15321, 15663..15770		

Seq. No.	9905	Seq. ID	OJ000119_08.0302.C3
Gene No.	21098	Strand	+
Start	10376	End	16031
Name	OJ000119_08.0302.C3.o2.gp	Method	AAT/GAP
Start	13425	End	16031
GI	16828_1.R1084	Score	1481
Exons	13425..13508, 13601..13683, 13971..14061, 14525..14583, 15181..15321, 15663..16031		
GI Descrip.	'927575 2.0e-16 (U12926) alpha galactosidase [Glycine max]'		

Seq. No.	9905	Seq. ID	OJ000119_08.0302.C3
Gene No.	21099	Strand	-
Start	8160	End	11187
Name	OJ000119_08.0302.C3.o3.gs	Method	GENSCAN
Start	8160	End	11187
GI	none	Score	.71
Exons	8160..8311, 8803..9013, 10712..10815, 11010..11187		

Seq. No.	9905	Seq. ID	OJ000119_08.0302.C3
Gene No.	21100	Strand	-
Start	14339	End	23736
Name	OJ000119_08.0302.C3.o1.ts	Method	TBLASTX:Soybean
Start	11733	End	15746
GI	none	Score	90
Exons	11733..11798, 12153..12215, 12578..12676, 12580..12675, 12795..12842, 12796..12846, 12943..13005, 12944..13003, 13096..13170, 13103..13171, 13264..13347, 13265..13342, 13441..13506, 13442..13507, 13597..13686, 13599..13685, 13968..14060, 15174..15317, 15175..15321, 15657..15746		

Seq. No.	9905	Seq. ID	OJ000119_08.0302.C3
Gene No.	21100	Strand	-
Start	14339	End	23736
Name	OJ000119_08.0302.C3.o1.tw	Method	TBLASTX:Wheat
Start	12578	End	13003
GI	none	Score	141
Exons	12578..12676, 12580..12675, 12587..12700, 12784..12846, 12943..13002, 12944..13003		

Seq. No.	9905	Seq. ID	OJ000119_08.0302.C3
Gene No.	21100	Strand	-
Start	14339	End	23736
Name	OJ000119_08.0302.C3.o1.tc	Method	TBLASTX:Cress

Start	12653	End	14060
GI	none	Score	38
Exons	12653..12676, 12787..12846, 12943..13011, 12944..13003, 13096..13170, 13103..13171, 13262..13345, 13264..13347, 13265..13345, 13441..13506, 13442..13507, 13597..13686, 13599..13685, 13968..14060		

Seq. No.	9905	Seq. ID	OJ000119_08.0302.C3
Gene No.	21100	Strand	-
Start	14339	End	23736
Name	OJ000119_08.0302.C3.o1.tm	Method	TBLASTX:Maize
Start	12795	End	15772
GI	none	Score	77
Exons	12795..12845, 12796..12846, 12798..12848, 12943..13005, 12944..13003, 12952..13008, 13103..13171, 13105..13170, 13252..13347, 13265..13345, 13441..13506, 13442..13507, 13443..13508, 13597..13686, 13599..13685, 13962..14060, 13968..14060, 13970..14062, 14522..14587, 14523..14585, 14524..14586, 14524..14613, 15171..15320, 15172..15321, 15660..15758, 15660..15740, 15662..15772		

Seq. No.	9905	Seq. ID	OJ000119_08.0302.C3
Gene No.	21100	Strand	-
Start	14339	End	23736
Name	OJ000119_08.0302.C3.o2.np	Method	AAT/NAP
Start	14339	End	23736
GI	6572083	Score	501
Exons	14339..14371, 19787..20034, 20254..20415, 20500..20617, 21096..21188, 21430..21615, 22696..22856, 23670..23736		
GI Descrip.	(AL133452) putative protein [Arabidopsis thaliana]		

Seq. No.	9905	Seq. ID	OJ000119_08.0302.C3
Gene No.	21100	Strand	-
Start	14339	End	23736
Name	OJ000119_08.0302.C3.o5.gs	Method	GENSCAN
Start	16129	End	22956
GI	none	Score	.86
Exons	16129..16141, 17300..17488, 17652..18346, 18713..18895, 19001..20034, 20254..20427, 20515..20617, 20788..20970, 21096..21188, 21430..21615, 22795..22956		

Seq. No.	9905	Seq. ID	OJ000119_08.0302.C3
Gene No.	21100	Strand	-
Start	14339	End	23736
Name	OJ000119_08.0302.C3.o2.ts	Method	TBLASTX:Soybean
Start	20510	End	21186
GI	none	Score	91
Exons	20510..20620, 20511..20618, 20756..20944, 20785..20982, 21093..21185, 21094..21186		

Seq. No.	9905	Seq. ID	OJ000119_08.0302.C3
Gene No.	21100	Strand	-
Start	14339	End	23736
Name	OJ000119_08.0302.C3.o2.tc	Method	TBLASTX:Cress
Start	20785	End	21594
GI	none	Score	123
Exons	20785..20982, 20786..20971, 21093..21191, 21478..21594		

Seq. No.	9906	Seq. ID	OJ000119_08.0302.C4
Gene No.	21101	Strand	+
Start	2909	End	2969
Name	OJ000119_08.0302.C4.o1.gp	Method	AAT/GAP
Start	2909	End	2969
GI	35458_1.R1084	Score	90
Exons	2909..2969		
GI Descrip.	'3868853/dbj|BAA34247| 1.0e-21 (AB013853) GPI-anchored protein [Vigna radiata]'		

Seq. No.	9906	Seq. ID	OJ000119_08.0302.C4
Gene No.	21102	Strand	-
Start	1631	End	2969
Name	OJ000119_08.0302.C4.o1.tm	Method	TBLASTX:Maize
Start	1537	End	2635
GI	none	Score	41
Exons	1537..1602, 1593..1649, 1595..1660, 1598..1648, 1652..1774, 1653..1703, 1688..1774, 1797..1820, 1845..1997, 1864..1983, 1868..1990, 2431..2604, 2505..2606, 2507..2635		

Seq. No.	9906	Seq. ID	OJ000119_08.0302.C4
Gene No.	21102	Strand	-
Start	1631	End	2969
Name	OJ000119_08.0302.C4.o1.np	Method	AAT/NAP
Start	1631	End	2969
GI	2651296	Score	159
Exons	1631..1989, 2519..2606, 2926..2969		
GI Descrip.	(AC002336) putative bZIP transcription factor [Arabidopsis thaliana]		

Seq. No.	9907	Seq. ID	OJ000119_08.0302.C5
Gene No.	21103	Strand	-
Start	323	End	2283
Name	OJ000119_08.0302.C5.o1.tm	Method	TBLASTX:Maize
Start	322	End	1957
GI	none	Score	104
Exons	322..456, 323..457, 323..457, 324..458, 325..468, 1868..1951, 1889..1957		

Seq. No.	9907	Seq. ID	OJ000119_08.0302.C5
Gene No.	21103	Strand	-
Start	323	End	2283
Name	OJ000119_08.0302.C5.o1.gs	Method	GENSCAN
Start	323	End	2148
GI	none	Score	.85
Exons	323..455, 1895..2148		

Seq. No.	9907	Seq. ID	OJ000119_08.0302.C5
Gene No.	21103	Strand	-
Start	323	End	2283
Name	OJ000119_08.0302.C5.o1.ts	Method	TBLASTX:Soybean
Start	323	End	1965
GI	none	Score	69
Exons	323..457, 390..458, 1894..1965		

Seq. No.	9907	Seq. ID	OJ000119_08.0302.C5

Gene No.	21103	Strand	-
Start	323	End	2283
Name	OJ000119_08.0302.C5.o1.tw	Method	TBLASTX:Wheat
Start	323	End	1965
GI	none	Score	56
Exons	323..457, 332..454, 333..458, 1894..1965		

Seq. No.	9907	Seq. ID	OJ000119_08.0302.C5
Gene No.	21103	Strand	-
Start	323	End	2283
Name	OJ000119_08.0302.C5.o1.np	Method	AAT/NAP
Start	323	End	2283
GI	2651296	Score	356
Exons	323..455, 1895..2283		
GI Descrip.	(AC002336) putative bZIP transcription factor [Arabidopsis thaliana]		

Seq. No.	9907	Seq. ID	OJ000119_08.0302.C5
Gene No.	21103	Strand	-
Start	323	End	2283
Name	OJ000119_08.0302.C5.o1.tc	Method	TBLASTX:Cress
Start	323	End	2280
GI	none	Score	81
Exons	323..457, 335..445, 390..458, 1894..1974, 1895..1993, 2137..2196, 2236..2280		

Seq. No.	9907	Seq. ID	OJ000119_08.0302.C5
Gene No.	21103	Strand	-
Start	323	End	2283
Name	OJ000119_08.0302.C5.o1.gp	Method	AAT/GAP
Start	1733	End	1798
GI	LIB3477-003-P1-K1-E9	Score	76
Exons	1733..1798		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	9908	Seq. ID	OJ000119_08.0302.C6
Gene No.	21104	Strand	+
Start	49	End	5063
Name	OJ000119_08.0302.C6.o1.np	Method	AAT/NAP
Start	49	End	5063
GI	346430	Score	64
Exons	49..246, 536..769, 5031..5063		
GI Descrip.	adenylylcyclase type V-alpha - dog gi|290082 (M97886) adenylyl cyclase [Canis familiaris]		

Seq. No.	9908	Seq. ID	OJ000119_08.0302.C6
Gene No.	21104	Strand	+
Start	49	End	5063
Name	OJ000119_08.0302.C6.o1.gs	Method	GENSCAN
Start	66	End	1211
GI	none	Score	.59
Exons	66..509, 523..791, 1204..1211		

Seq. No.	9908	Seq. ID	OJ000119_08.0302.C6
Gene No.	21104	Strand	+

Start	49	End	5063
Name	OJ000119_08.0302.C6.o1.gp	Method	AAT/GAP
Start	1774	End	2108
GI	none	Score	662
Exons	1774..2108		

Seq. No.	9908	Seq. ID	OJ000119_08.0302.C6
Gene No.	21105	Strand	+
Start	9736	End	10995
Name	OJ000119_08.0302.C6.o3.gs	Method	GENSCAN
Start	9736	End	10995
GI	none	Score	.5
Exons	9736..9799, 10361..10504, 10886..10995		

Seq. No.	9908	Seq. ID	OJ000119_08.0302.C6
Gene No.	21105	Strand	+
Start	9736	End	10995
Name	OJ000119_08.0302.C6.o7.gp	Method	AAT/GAP
Start	10530	End	10835
GI	72524_1.R1084	Score	441
Exons	10530..10835		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	9908	Seq. ID	OJ000119_08.0302.C6
Gene No.	21106	Strand	-
Start	2060	End	8037
Name	OJ000119_08.0302.C6.o2.gs	Method	GENSCAN
Start	2060	End	8037
GI	none	Score	.66
Exons	2060..2856, 3182..3249, 3357..3470, 3711..3760, 3888..4103, 4218..4298, 4410..4486, 6067..6623, 6776..6919, 7880..8037		

Seq. No.	9908	Seq. ID	OJ000119_08.0302.C6
Gene No.	21106	Strand	-
Start	2060	End	8037
Name	OJ000119_08.0302.C6.o2.np	Method	AAT/NAP
Start	2209	End	8004
GI	1946371	Score	1128
Exons	2209..2472, 2527..2853, 3182..3249, 3357..3470, 3711..3760, 3888..4158, 4208..4301, 4422..4486, 4959..5133, 5719..5815, 5991..6525, 6768..6877, 7808..8004		
GI Descrip.	(U93215) putative VP1/ABI3 family regulatory protein [Arabidopsis thaliana]		

Seq. No.	9908	Seq. ID	OJ000119_08.0302.C6
Gene No.	21106	Strand	-
Start	2060	End	8037
Name	OJ000119_08.0302.C6.o2.gp	Method	AAT/GAP
Start	4162	End	4489
GI	12082_1.R1084	Score	377
Exons	4162..4298, 4410..4489		
GI Descrip.	'2827635/emb|CAA16588.1| 1.0e-62 (AL021636) predicted protein [Arabidopsis thaliana]'		

Seq. No.	9908	Seq. ID	OJ000119_08.0302.C6
Gene No.	21106	Strand	-

Start	2060	End	8037
Name	OJ000119_08.0302.C6.o3.gp	Method	AAT/GAP
Start	4223	End	4489
GI	12082_1.R1084	Score	272
Exons	4223..4298, 4410..4489		
GI Descrip.	'2827635/emb|CAA16588.1| 1.0e-62 (AL021636) predicted protein [Arabidopsis thaliana]'		

Seq. No.	9908	Seq. ID	OJ000119_08.0302.C6
Gene No.	21106	Strand	-
Start	2060	End	8037
Name	OJ000119_08.0302.C6.o4.gp	Method	AAT/GAP
Start	4959	End	5135
GI	12082_1.R1084	Score	306
Exons	4959..5135		
GI Descrip.	'2827635/emb|CAA16588.1| 1.0e-62 (AL021636) predicted protein [Arabidopsis thaliana]'		

Seq. No.	9908	Seq. ID	OJ000119_08.0302.C6
Gene No.	21106	Strand	-
Start	2060	End	8037
Name	OJ000119_08.0302.C6.o5.gp	Method	AAT/GAP
Start	6789	End	7050
GI	uC-osflm202110a04b1	Score	289
Exons	6789..6877, 6969..7050		
GI Descrip.	'1946371 2.0e-12 (U93215) regulatory protein Viviparous-1 isolog [Arabidopsis thaliana]'		

Seq. No.	9908	Seq. ID	OJ000119_08.0302.C6
Gene No.	21106	Strand	-
Start	2060	End	8037
Name	OJ000119_08.0302.C6.o6.gp	Method	AAT/GAP
Start	6830	End	7050
GI	uC-osflm202110a04b1	Score	204
Exons	6830..6877, 6969..7050		
GI Descrip.	'1946371 2.0e-12 (U93215) regulatory protein Viviparous-1 isolog [Arabidopsis thaliana]'		

Seq. No.	9908	Seq. ID	OJ000119_08.0302.C6
Gene No.	21107	Strand	-
Start	12382	End	15600
Name	OJ000119_08.0302.C6.o1.tc	Method	TBLASTX:Cress
Start	2528	End	2744
GI	none	Score	89
Exons	2528..2647, 2538..2645, 2651..2743, 2652..2744		

Seq. No.	9908	Seq. ID	OJ000119_08.0302.C6
Gene No.	21107	Strand	-
Start	12382	End	15600
Name	OJ000119_08.0302.C6.o2.ts	Method	TBLASTX:Soybean
Start	2528	End	2735
GI	none	Score	155
Exons	2528..2734, 2529..2735		

Seq. No.	9908	Seq. ID	OJ000119_08.0302.C6
Gene No.	21107	Strand	-
Start	12382	End	15600

Name	OJ000119_08.0302.C6.o4.tm	Method	TBLASTX:Maize
Start	2555	End	4040
GI	none	Score	197
Exons	2555..2788, 2583..2723, 2611..2727, 3346..3462, 3356..3460, 3918..4040		

Seq. No.	9908	Seq. ID	OJ000119_08.0302.C6
Gene No.	21107	Strand	-
Start	12382	End	15600
Name	OJ000119_08.0302.C6.o1.tm	Method	TBLASTX:Maize
Start	4050	End	4457
GI	none	Score	280
Exons	4050..4307, 4057..4299, 4058..4315, 4396..4455, 4398..4457, 4404..4457		

Seq. No.	9908	Seq. ID	OJ000119_08.0302.C6
Gene No.	21107	Strand	-
Start	12382	End	15600
Name	OJ000119_08.0302.C6.o1.ts	Method	TBLASTX:Soybean
Start	4413	End	6125
GI	none	Score	76
Exons	4413..4490, 4426..4488, 4960..5154, 4961..5134, 5710..5823, 5711..5815, 5990..6106, 5991..6125		

Seq. No.	9908	Seq. ID	OJ000119_08.0302.C6
Gene No.	21107	Strand	-
Start	12382	End	15600
Name	OJ000119_08.0302.C6.o2.tm	Method	TBLASTX:Maize
Start	4960	End	6032
GI	none	Score	297
Exons	4960..5154, 4961..5158, 5709..5822, 5710..5823, 5711..5815, 5711..5824, 5990..6031, 5991..6032		

Seq. No.	9908	Seq. ID	OJ000119_08.0302.C6
Gene No.	21107	Strand	-
Start	12382	End	15600
Name	OJ000119_08.0302.C6.o3.tm	Method	TBLASTX:Maize
Start	6168	End	6563
GI	none	Score	35
Exons	6168..6185, 6173..6394, 6184..6345, 6365..6421, 6367..6420, 6387..6425, 6424..6561, 6425..6562, 6426..6563		

Seq. No.	9908	Seq. ID	OJ000119_08.0302.C6
Gene No.	21107	Strand	-
Start	12382	End	15600
Name	OJ000119_08.0302.C6.o3.np	Method	AAT/NAP
Start	12333	End	15600
GI	5091513	Score	1513
Exons	12333..12399, 12466..12594, 13068..13359, 13482..14212, 14868..15600		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	9908	Seq. ID	OJ000119_08.0302.C6
Gene No.	21107	Strand	-
Start	12382	End	15600
Name	OJ000119_08.0302.C6.o4.gs	Method	GENSCAN
Start	12382	End	12537

GI	none	Score	.9
Exons	12382..12537		
Seq. No.	9908	Seq. ID	OJ000119_08.0302.C6
Gene No.	21107	Strand	-
Start	12382	End	15600
Name	OJ000119_08.0302.C6.o5.gs	Method	GENSCAN
Start	12914	End	15543
GI	none	Score	.64
Exons	12914..13341, 13396..14243, 15050..15543		
Seq. No.	9909	Seq. ID	OJ000119_08.0302.C7
Gene No.	21108	Strand	+
Start	35	End	881
Name	OJ000119_08.0302.C7.o1.gs	Method	GENSCAN
Start	35	End	881
GI	none	Score	.69
Exons	35..69, 332..378, 624..881		
Seq. No.	9909	Seq. ID	OJ000119_08.0302.C7
Gene No.	21109	Strand	-
Start	907	End	1213
Name	OJ000119_08.0302.C7.o1.gp	Method	AAT/GAP
Start	907	End	1213
GI	72524_1.R1084	Score	436
Exons	907..1213		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		
Seq. No.	9910	Seq. ID	OJ000119_08.0302.C9
Gene No.	21110	Strand	+
Start	5803	End	7362
Name	OJ000119_08.0302.C9.o2.gs	Method	GENSCAN
Start	5803	End	7362
GI	none	Score	.94
Exons	5803..7362		
Seq. No.	9910	Seq. ID	OJ000119_08.0302.C9
Gene No.	21111	Strand	+
Start	7846	End	10200
Name	OJ000119_08.0302.C9.o3.gs	Method	GENSCAN
Start	7846	End	10200
GI	none	Score	.79
Exons	7846..10200		
Seq. No.	9910	Seq. ID	OJ000119_08.0302.C9
Gene No.	21112	Strand	-
Start	3775	End	13441
Name	OJ000119_08.0302.C9.o1.gs	Method	GENSCAN
Start	3775	End	5022
GI	none	Score	.8
Exons	3775..3879, 3957..4108, 4558..4689, 4856..4995, 4997..5022		
Seq. No.	9910	Seq. ID	OJ000119_08.0302.C9
Gene No.	21112	Strand	-
Start	3775	End	13441
Name	OJ000119_08.0302.C9.o1.np	Method	AAT/NAP

Start	3784	End	13438
GI	2943792	Score	2160
Exons	3784..3879, 4002..4108, 4558..4689, 4856..4922, 4997..5079, 5268..5349, 10545..10621, 10722..10805, 10887..10956, 11069..11157, 11245..11931, 13144..13438		
GI Descrip.	(AB006809) PV72 [Cucurbita sp.]		

Seq. No.	9910	Seq. ID	OJ000119_08.0302.C9
Gene No.	21112	Strand	-
Start	3775	End	13441
Name	OJ000119_08.0302.C9.o4.gs	Method	GENSCAN
Start	10539	End	13441
GI	none	Score	.48
Exons	10539..10621, 10887..10956, 11069..11157, 11245..11306, 11337..11931, 13144..13441		

Seq. No.	9910	Seq. ID	OJ000119_08.0302.C9
Gene No.	21113	Strand	-
Start	13374	End	13547
Name	OJ000119_08.0302.C9.o1.tc	Method	TBLASTX:Cress
Start	3784	End	13385
GI	none	Score	61
Exons	3784..3879, 3820..3882, 3996..4115, 4002..4112, 4559..4597, 4604..4690, 4857..4922, 4858..4914, 5000..5080, 5001..5081, 5263..5349, 5273..5350, 10543..10614, 10545..10622, 10712..10825, 10717..10806, 10877..10957, 10879..10959, 11066..11158, 11066..11158, 11244..11801, 11244..11729, 11252..11827, 11255..11812, 11810..11932, 11826..11957, 13145..13384, 13146..13385		

Seq. No.	9910	Seq. ID	OJ000119_08.0302.C9
Gene No.	21113	Strand	-
Start	13374	End	13547
Name	OJ000119_08.0302.C9.o1.ts	Method	TBLASTX:Soybean
Start	3802	End	13312
GI	none	Score	75
Exons	3802..3882, 4002..4082, 4550..4594, 4588..4686, 4598..4690, 4600..4692, 4852..4899, 4857..4904, 4995..5087, 4997..5083, 5270..5350, 5272..5349, 10543..10626, 10545..10622, 10726..10806, 10727..10822, 10879..10959, 10886..10954, 11066..11158, 11235..11807, 11244..11726, 11252..11827, 11813..11932, 13145..13312, 13146..13301		

Seq. No.	9910	Seq. ID	OJ000119_08.0302.C9
Gene No.	21113	Strand	-
Start	13374	End	13547
Name	OJ000119_08.0302.C9.o8.tm	Method	TBLASTX:Maize
Start	3829	End	4698
GI	none	Score	68
Exons	3829..3876, 3829..3882, 3995..4108, 4002..4115, 4003..4083, 4535..4690, 4552..4683, 4553..4690, 4573..4698		

Seq. No.	9910	Seq. ID	OJ000119_08.0302.C9
Gene No.	21113	Strand	-
Start	13374	End	13547
Name	OJ000119_08.0302.C9.o4.tw	Method	TBLASTX:Wheat
Start	4053	End	5350

GI	none	Score	57
Exons	4053..4145, 4054..4107, 4149..4196, 4553..4690, 4557..4592, 4559..4690, 4573..4692, 4852..4920, 4855..4920, 4857..4922, 4997..5080, 4998..5087, 5263..5349, 5264..5350, 5270..5350		

Seq. No.	9910	Seq. ID	OJ000119_08.0302.C9
Gene No.	21113	Strand	-
Start	13374	End	13547
Name	OJ000119_08.0302.C9.o1.tm	Method	TBLASTX:Maize
Start	4893	End	13424
GI	none	Score	37
Exons	4893..4919, 4976..5080, 4979..5080, 4986..5087, 4986..5093, 4996..5109, 5263..5349, 5264..5350, 5270..5350, 10543..10623, 10544..10624, 10545..10622, 10714..10806, 10722..10805, 10723..10806, 10727..10822, 10877..10957, 10879..10959, 10885..10959, 11066..11188, 11069..11158, 11235..11819, 11241..11813, 11245..11817, 11252..11818, 11825..11932, 11826..11879, 13145..13180, 13146..13181, 13175..13423, 13176..13424		

Seq. No.	9910	Seq. ID	OJ000119_08.0302.C9
Gene No.	21113	Strand	-
Start	13374	End	13547
Name	OJ000119_08.0302.C9.o7.tm	Method	TBLASTX:Maize
Start	5944	End	6456
GI	none	Score	77
Exons	5944..6120, 6150..6350, 6154..6456		

Seq. No.	9910	Seq. ID	OJ000119_08.0302.C9
Gene No.	21113	Strand	-
Start	13374	End	13547
Name	OJ000119_08.0302.C9.o5.tw	Method	TBLASTX:Wheat
Start	6994	End	7248
GI	none	Score	211
Exons	6994..7248, 7089..7196		

Seq. No.	9910	Seq. ID	OJ000119_08.0302.C9
Gene No.	21113	Strand	-
Start	13374	End	13547
Name	OJ000119_08.0302.C9.o9.tm	Method	TBLASTX:Maize
Start	7072	End	7338
GI	none	Score	211
Exons	7072..7254, 7075..7251, 7089..7262, 7294..7338		

Seq. No.	9910	Seq. ID	OJ000119_08.0302.C9
Gene No.	21113	Strand	-
Start	13374	End	13547
Name	OJ000119_08.0302.C9.o5.tc	Method	TBLASTX:Cress
Start	7294	End	7590
GI	none	Score	60
Exons	7294..7335, 7387..7503, 7507..7590		

Seq. No.	9910	Seq. ID	OJ000119_08.0302.C9
Gene No.	21113	Strand	-
Start	13374	End	13547
Name	OJ000119_08.0302.C9.o10.tm	Method	TBLASTX:Maize
Start	7399	End	7686

GI	none	Score	176
Exons	7399..7569, 7401..7580, 7582..7686		

Seq. No.	9910	Seq. ID	OJ000119_08.0302.C9
Gene No.	21113	Strand	-
Start	13374	End	13547
Name	OJ000119_08.0302.C9.o4.tm	Method	TBLASTX:Maize
Start	7687	End	8144
GI	none	Score	98
Exons	7687..7788, 7752..8144, 7765..8142		

Seq. No.	9910	Seq. ID	OJ000119_08.0302.C9
Gene No.	21113	Strand	-
Start	13374	End	13547
Name	OJ000119_08.0302.C9.o4.ts	Method	TBLASTX:Soybean
Start	7693	End	8154
GI	none	Score	280
Exons	7693..8154		

Seq. No.	9910	Seq. ID	OJ000119_08.0302.C9
Gene No.	21113	Strand	-
Start	13374	End	13547
Name	OJ000119_08.0302.C9.o2.tc	Method	TBLASTX:Cress
Start	7732	End	8172
GI	none	Score	347
Exons	7732..8172, 7749..7907, 7950..8000, 8028..8168		

Seq. No.	9910	Seq. ID	OJ000119_08.0302.C9
Gene No.	21113	Strand	-
Start	13374	End	13547
Name	OJ000119_08.0302.C9.o2.tw	Method	TBLASTX:Wheat
Start	7818	End	8163
GI	none	Score	335
Exons	7818..7910, 7819..8163, 7959..8162		

Seq. No.	9910	Seq. ID	OJ000119_08.0302.C9
Gene No.	21113	Strand	-
Start	13374	End	13547
Name	OJ000119_08.0302.C9.o3.ts	Method	TBLASTX:Soybean
Start	8659	End	9147
GI	5509260	Score	383
Exons	8659..9147, 8976..9131		
GI Descrip.	-		

Seq. No.	9910	Seq. ID	OJ000119_08.0302.C9
Gene No.	21113	Strand	-
Start	13374	End	13547
Name	OJ000119_08.0302.C9.o6.tm	Method	TBLASTX:Maize
Start	8697	End	8943
GI	none	Score	82
Exons	8697..8801, 8697..8849, 8698..8943, 8874..8936		

Seq. No.	9910	Seq. ID	OJ000119_08.0302.C9
Gene No.	21113	Strand	-
Start	13374	End	13547
Name	OJ000119_08.0302.C9.o3.tc	Method	TBLASTX:Cress
Start	8761	End	9036

GI	none	Score	240
Exons	8761..9036, 8784..9014		

Seq. No.	9910	Seq. ID	OJ000119_08.0302.C9
Gene No.	21113	Strand	-
Start	13374	End	13547
Name	OJ000119_08.0302.C9.o1.tw	Method	TBLASTX:Wheat
Start	8818	End	9480
GI	none	Score	300
Exons	8818..9162, 8835..9161, 9148..9363, 9361..9480		

Seq. No.	9910	Seq. ID	OJ000119_08.0302.C9
Gene No.	21113	Strand	-
Start	13374	End	13547
Name	OJ000119_08.0302.C9.o2.tm	Method	TBLASTX:Maize
Start	8949	End	9396
GI	none	Score	510
Exons	8949..9188, 8950..9396, 8959..9210, 9306..9392		

Seq. No.	9910	Seq. ID	OJ000119_08.0302.C9
Gene No.	21113	Strand	-
Start	13374	End	13547
Name	OJ000119_08.0302.C9.o5.ts	Method	TBLASTX:Soybean
Start	9169	End	9384
GI	none	Score	183
Exons	9169..9384		

Seq. No.	9910	Seq. ID	OJ000119_08.0302.C9
Gene No.	21113	Strand	-
Start	13374	End	13547
Name	OJ000119_08.0302.C9.o4.tc	Method	TBLASTX:Cress
Start	9208	End	9501
GI	none	Score	202
Exons	9208..9501		

Seq. No.	9910	Seq. ID	OJ000119_08.0302.C9
Gene No.	21113	Strand	-
Start	13374	End	13547
Name	OJ000119_08.0302.C9.o3.tm	Method	TBLASTX:Maize
Start	9448	End	9831
GI	none	Score	478
Exons	9448..9831, 9450..9815, 9517..9831		

Seq. No.	9910	Seq. ID	OJ000119_08.0302.C9
Gene No.	21113	Strand	-
Start	13374	End	13547
Name	OJ000119_08.0302.C9.o3.tw	Method	TBLASTX:Wheat
Start	9504	End	9762
GI	none	Score	262
Exons	9504..9653, 9505..9762, 9708..9761		

Seq. No.	9910	Seq. ID	OJ000119_08.0302.C9
Gene No.	21113	Strand	-
Start	13374	End	13547
Name	OJ000119_08.0302.C9.o2.ts	Method	TBLASTX:Soybean
Start	9526	End	10122
GI	none	Score	514

Exons	9526..10122, 9531..9644, 9720..9869, 9951..10049		
Seq. No.	9910	Seq. ID	OJ000119_08.0302.C9
Gene No.	21113	Strand	-
Start	13374	End	13547
Name	OJ000119_08.0302.C9.o5.tm	Method	TBLASTX:Maize
Start	9832	End	10125
GI	none	Score	325
Exons	9832..10125, 9847..10122, 9924..10124		
Seq. No.	9910	Seq. ID	OJ000119_08.0302.C9
Gene No.	21113	Strand	-
Start	13374	End	13547
Name	OJ000119_08.0302.C9.o1.gp	Method	AAT/GAP
Start	13374	End	13547
GI	uC-osflM202053f03b1	Score	305
Exons	13374..13547		
GI Descrip.	'3850999/gb|AAC72192| 4.0e-27 (AF069908) pyruvate dehydrogenase E1 beta subunit isoform 1 [Zea mays]'		
Seq. No.	9911	Seq. ID	OJ000119_08.0302.C10
Gene No.	21114	Strand	+
Start	1	End	2728
Name	OJ000119_08.0302.C10.o2.np	Method	AAT/NAP
Start	1	End	2728
GI	5852172	Score	89
Exons	1..44, 1403..1517, 2566..2728		
GI Descrip.	(AL117265) zhb0002.1 [Oryza sativa]		
Seq. No.	9911	Seq. ID	OJ000119_08.0302.C10
Gene No.	21114	Strand	+
Start	1	End	2728
Name	OJ000119_08.0302.C10.o1.gs	Method	GENSCAN
Start	125	End	599
GI	none	Score	.89
Exons	125..255, 410..599		
Seq. No.	9911	Seq. ID	OJ000119_08.0302.C10
Gene No.	21115	Strand	+
Start	7082	End	7486
Name	OJ000119_08.0302.C10.o2.gp	Method	AAT/GAP
Start	7082	End	7486
GI	5039111	Score	797
Exons	7082..7486		
Seq. No.	9911	Seq. ID	OJ000119_08.0302.C10
Gene No.	21116	Strand	+
Start	27162	End	27657
Name	OJ000119_08.0302.C10.o3.gp	Method	AAT/GAP
Start	27162	End	27657
GI	none	Score	962
Exons	27162..27657		
Seq. No.	9911	Seq. ID	OJ000119_08.0302.C10
Gene No.	21117	Strand	-
Start	200	End	3131
Name	OJ000119_08.0302.C10.o1.gp	Method	AAT/GAP

Start	200	End	2294
GI	59432_1.R1084	Score	1040
Exons	200..547, 2101..2294		
GI Descrip.	'1351365/sp|P48505|UCRY_SOLTU 1.0e-12 UBIQUINOL-CYTOCHROME C REDUCTASE COMPLEX 6.7 KD PROTEIN (CR6) >gi_2130002_pir__S68969 ubiquinol--cytochrome-c reductase (EC 1.10.2.2) - potato >gi_633683_emb_CAA57768_ (X82325) cytochrome c reductase subunit [Solanum tuberosum]'		

Seq. No.	9911	Seq. ID	OJ000119_08.0302.C10
Gene No.	21117	Strand	-
Start	200	End	3131
Name	OJ000119_08.0302.C10.o2.gs	Method	GENSCAN
Start	2036	End	3131
GI	none	Score	.63
Exons	2036..2053, 2101..2264, 2640..2737, 3052..3131		

Seq. No.	9911	Seq. ID	OJ000119_08.0302.C10
Gene No.	21117	Strand	-
Start	200	End	3131
Name	OJ000119_08.0302.C10.o1.np	Method	AAT/NAP
Start	2050	End	2235
GI	1351365	Score	106
Exons	2050..2235		
GI Descrip.	UBIQUINOL-CYTOCHROME C REDUCTASE COMPLEX 6.7 KD PROTEIN (CR6) gi|2130002|pir||S68969 ubiquinol--cytochrome-c reductase (EC 1.10.2.2) - potato gi|633683|emb|CAA57768| (X82325) cytochrome c reductase subunit [Solanum tuberosum]		

Seq. No.	9911	Seq. ID	OJ000119_08.0302.C10
Gene No.	21118	Strand	-
Start	5580	End	10856
Name	OJ000119_08.0302.C10.o3.np	Method	AAT/NAP
Start	5580	End	10856
GI	4895218	Score	101
Exons	5580..5599, 7815..7976, 8467..8549, 10819..10856		
GI Descrip.	(AC007660) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	9911	Seq. ID	OJ000119_08.0302.C10
Gene No.	21118	Strand	-
Start	5580	End	10856
Name	OJ000119_08.0302.C10.o3.gs	Method	GENSCAN
Start	7392	End	9315
GI	none	Score	.97
Exons	7392..7965, 8453..8560, 8996..9315		

Seq. No.	9911	Seq. ID	OJ000119_08.0302.C10
Gene No.	21119	Strand	-
Start	11322	End	22844
Name	OJ000119_08.0302.C10.o4.np	Method	AAT/NAP
Start	11309	End	22844
GI	4895216	Score	2924
Exons	11309..11600, 11680..11941, 12671..12822, 13631..13826, 14126..14328, 14603..14848, 15469..15585, 16066..16263, 16346..16559, 16701..16867, 17079..17290, 17360..17678, 17774..17922, 18273..18516, 19078..19333, 19500..19700, 20287..20444, 20472..20784, 21505..21717, 22036..22844		

GI Descrip. (AC007660) putative SNF2/SWI2 family transcription factor [Arabidopsis thaliana]

Seq. No.	9911	Seq. ID	OJ000119_08.0302.C10
Gene No.	21119	Strand	-
Start	11322	End	22844
Name	OJ000119_08.0302.C10.o4.gs	Method	GENSCAN
Start	11322	End	22844
GI	none	Score	.86
Exons	11322..11374, 11411..11600, 11680..11941, 12671..12822, 13631..13827, 14124..14328, 14603..14746, 15469..15585, 16072..16263, 16346..16559, 16701..16867, 17199..17678, 17774..17934, 18273..18516, 19078..19333, 19500..19700, 20434..20776, 20869..20930, 21511..21717, 22036..22844		

Seq. No.	9911	Seq. ID	OJ000119_08.0302.C10
Gene No.	21120	Strand	-
Start	25421	End	27716
Name	OJ000119_08.0302.C10.o3.tm	Method	TBLASTX:Maize
Start	289	End	2242
GI	none	Score	41
Exons	289..357, 329..364, 365..415, 366..416, 430..471, 430..513, 480..557, 489..548, 491..556, 2056..2241, 2102..2242		

Seq. No.	9911	Seq. ID	OJ000119_08.0302.C10
Gene No.	21120	Strand	-
Start	25421	End	27716
Name	OJ000119_08.0302.C10.o1.tm	Method	TBLASTX:Maize
Start	11338	End	13832
GI	none	Score	80
Exons	11338..11412, 11347..11397, 11353..11397, 11353..11400, 11372..11599, 11406..11612, 11418..11606, 11419..11607, 11677..11943, 11678..11944, 11681..11944, 12670..12825, 12671..12820, 12673..12825, 13631..13828, 13631..13825, 13632..13832		

Seq. No.	9911	Seq. ID	OJ000119_08.0302.C10
Gene No.	21120	Strand	-
Start	25421	End	27716
Name	OJ000119_08.0302.C10.o1.ts	Method	TBLASTX:Soybean
Start	11338	End	11612
GI	none	Score	80
Exons	11338..11412, 11348..11395, 11353..11397, 11353..11400, 11353..11397, 11372..11599, 11406..11612, 11418..11606, 11419..11607		

Seq. No.	9911	Seq. ID	OJ000119_08.0302.C10
Gene No.	21120	Strand	-
Start	25421	End	27716
Name	OJ000119_08.0302.C10.o1.tc	Method	TBLASTX:Cress
Start	11475	End	11941
GI	none	Score	62
Exons	11475..11543, 11549..11614, 11553..11630, 11674..11784, 11741..11785, 11785..11847, 11786..11848, 11908..11940, 11909..11941		

Seq. No.	9911	Seq. ID	OJ000119_08.0302.C10

Gene No.	21120	Strand	-
Start	25421	End	27716
Name	OJ000119_08.0302.C10.o2.tm	Method	TBLASTX:Maize
Start	14102	End	14335
GI	none	Score	240
Exons	14102..14335, 14113..14334		

Seq. No.	9911	Seq. ID	OJ000119_08.0302.C10
Gene No.	21120	Strand	-
Start	25421	End	27716
Name	OJ000119_08.0302.C10.o5.gs	Method	GENSCAN
Start	25421	End	27716
GI	none	Score	.79
Exons	25421..25594, 26329..26369, 27458..27716		

Seq. No.	9912	Seq. ID	OJ000119_08.0302.C11
Gene No.	21121	Strand	-
Start	1	End	2014
Name	OJ000119_08.0302.C11.o1.np	Method	AAT/NAP
Start	1	End	689
GI	4559381	Score	123
Exons	1..155, 545..689		
GI Descrip.	(AC006526) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	9912	Seq. ID	OJ000119_08.0302.C11
Gene No.	21121	Strand	-
Start	1	End	2014
Name	OJ000119_08.0302.C11.o1.gs	Method	GENSCAN
Start	103	End	2014
GI	none	Score	.67
Exons	103..467, 506..633, 657..768, 1972..2014		

Seq. No.	9912	Seq. ID	OJ000119_08.0302.C11
Gene No.	21121	Strand	-
Start	1	End	2014
Name	OJ000119_08.0302.C11.o1.gp	Method	AAT/GAP
Start	254	End	1893
GI	53415_1.R1084	Score	1560
Exons	254..467, 569..768, 1500..1893		
GI Descrip.	'130897/sp|P20664|PRI1_MOUSE 9.0e-18 DNA PRIMASE SMALL SUBUNIT (DNA PRIMASE 49 KD SUBUNIT) (P49) >gi_423418_pir__D46642 DNA primase (EC 2.7.7.-) 46K chain - mouse >gi_303661_dbj_BAA02744.1_ (D13544) primase small subunit [Mus musculus]'		

Seq. No.	9913	Seq. ID	OJ000119_08.0302.C12
Gene No.	21122	Strand	+
Start	1076	End	3077
Name	OJ000119_08.0302.C12.o1.gs	Method	GENSCAN
Start	1076	End	3077
GI	none	Score	.84
Exons	1076..1112, 1176..1293, 1970..1992, 2421..2543, 3022..3077		

Seq. No.	9913	Seq. ID	OJ000119_08.0302.C12
Gene No.	21123	Strand	+
Start	4023	End	5610
Name	OJ000119_08.0302.C12.o1.np	Method	AAT/NAP

Start	4023	End	5610
GI	1362152	Score	1308
Exons	4023..4667, 4747..4829, 4913..5033, 5115..5288, 5378..5610		
GI Descrip.	ribosomal protein S6 kinase homolog (clone Aspk11) - oat gi|871986|emb|CAA56313| (X79992) putative pp70 ribosomal protein S6 kinase [Avena sativa]		

Seq. No.	9913	Seq. ID	OJ000119_08.0302.C12
Gene No.	21123	Strand	+
Start	4023	End	5610
Name	OJ000119_08.0302.C12.o2.gs	Method	GENSCAN
Start	4023	End	5288
GI	none	Score	.83
Exons	4023..4667, 4747..4829, 4913..5033, 5115..5288		

Seq. No.	9913	Seq. ID	OJ000119_08.0302.C12
Gene No.	21123	Strand	+
Start	4023	End	5610
Name	OJ000119_08.0302.C12.o2.gp	Method	AAT/GAP
Start	4023	End	4807
GI	23711_1.R1084	Score	1368
Exons	4023..4667, 4747..4807		
GI Descrip.	'3122234/sp|O24473|IF2B_WHEAT 5.0e-15 EUKARYOTIC TRANSLATION INITIATION FACTOR 2 BETA SUBUNIT (EIF-2-BETA) (P38) >gi_2306768 (U87163) eIF-2 beta subunit [Triticum aestivum]'		

Seq. No.	9913	Seq. ID	OJ000119_08.0302.C12
Gene No.	21124	Strand	-
Start	2398	End	2547
Name	OJ000119_08.0302.C12.o1.gp	Method	AAT/GAP
Start	2398	End	2547
GI	701030	Score	232
Exons	2398..2547		

Seq. No.	9913	Seq. ID	OJ000119_08.0302.C12
Gene No.	21125	Strand	
Start	3740	End	5427
Name	OJ000119_08.0302.C12.o2.tm	Method	TBLASTX:Maize
Start	3740	End	4336
GI	none	Score	113
Exons	3740..3850, 3752..3859, 3754..3855, 3762..3860, 3766..3861, 4022..4126, 4023..4136, 4023..4136, 4110..4331, 4131..4322, 4136..4336		

Seq. No.	9913	Seq. ID	OJ000119_08.0302.C12
Gene No.	21125	Strand	
Start	3740	End	5427
Name	OJ000119_08.0302.C12.o1.tc	Method	TBLASTX:Cress
Start	4110	End	5427
GI	none	Score	64
Exons	4110..4268, 4196..4318, 4197..4442, 4446..4703, 4478..4666, 4737..4829, 4744..4830, 4744..4830, 4746..4835, 4905..5036, 4910..5035, 4910..5038, 4911..5042, 5117..5287, 5118..5288, 5123..5296, 5368..5427, 5369..5425		

Seq. No.	9913	Seq. ID	OJ000119_08.0302.C12
Gene No.	21125	Strand	

Start	3740	End	5427
Name	OJ000119_08.0302.C12.o1.ts	Method	TBLASTX:Soybean
Start	4119	End	5425
GI	none	Score	48
Exons	4119..4163, 4221..4376, 4380..4703, 4478..4666, 4737..4829, 4744..4830, 4744..4827, 4746..4835, 4905..5033, 4910..5035, 4910..5038, 4911..5042, 5104..5286, 5117..5287, 5118..5288, 5378..5425, 5390..5425		

Seq. No.	9913	Seq. ID	OJ000119_08.0302.C12
Gene No.	21125	Strand	
Start	3740	End	5427
Name	OJ000119_08.0302.C12.o1.tm	Method	TBLASTX:Maize
Start	4338	End	5427
GI	none	Score	450
Exons	4338..4703, 4375..4518, 4478..4666, 4737..4811, 4744..4830, 4744..4830, 4746..4850, 4910..5029, 4911..5042, 5114..5287, 5115..5288, 5377..5427, 5390..5425		

Seq. No.	9914	Seq. ID	OJ000119_08.0302.C13
Gene No.	21126	Strand	+
Start	461	End	613
Name	OJ000119_08.0302.C13.o1.gp	Method	AAT/GAP
Start	461	End	613
GI	uC-osflM202047e04b1	Score	270
Exons	461..613		
GI Descrip.	'927575 2.0e-16 (U12926) alpha galactosidase [Glycine max]'		

Seq. No.	9915	Seq. ID	OJ000119_08.0302.C14
Gene No.	21127	Strand	-
Start	1	End	611
Name	OJ000119_08.0302.C14.o1.np	Method	AAT/NAP
Start	1	End	611
GI	1196998	Score	1051
Exons	1..611		
GI Descrip.	(J01829) unknown protein [Transposon Tn10] gi|5103202|dbj|BAA78838.1| (AP000342) transposase of Tn10 [Plasmid R100] gi|5706382|dbj|BAA83097.1| (AB026428) transposase [Methylomonas aminofaciens] gi|5738092|gb|AAD50250.1|AF162223_9 (AF162223) IS10-right transposase [Shigella flexneri] gi|6721110|gb|AAF26764.1|AC007396_13 (AC007396) T4O12.21 [Arabidopsis thaliana]		

Seq. No.	9916	Seq. ID	OJ000209_01.0301.C2
Gene No.	21128	Strand	+
Start	1	End	636
Name	OJ000209_01.0301.C2.o1.gp	Method	AAT/GAP
Start	1	End	546
GI	uC-osflcyp022f10b1	Score	850
Exons	1..273, 385..546		
GI Descrip.	'3063456 1.0e-12 (AC003981) F22O13.18 [Arabidopsis thaliana]'		

Seq. No.	9916	Seq. ID	OJ000209_01.0301.C2
Gene No.	21128	Strand	+
Start	1	End	636
Name	OJ000209_01.0301.C2.o1.tm	Method	TBLASTX:Maize
Start	1	End	284

GI	none	Score	392
Exons	1..273, 3..284		

Seq. No.	9916	Seq. ID	OJ000209_01.0301.C2
Gene No.	21128	Strand	+
Start	1	End	636
Name	OJ000209_01.0301.C2.o1.np	Method	AAT/NAP
Start	1	End	636
GI	3063456	Score	153
Exons	1..210, 364..636		
GI Descrip.	(AC003981) F22O13.18 [Arabidopsis thaliana]		

Seq. No.	9916	Seq. ID	OJ000209_01.0301.C2
Gene No.	21128	Strand	+
Start	1	End	636
Name	OJ000209_01.0301.C2.o1.gs	Method	GENSCAN
Start	310	End	505
GI	none	Score	.4
Exons	310..342, 385..505		

Seq. No.	9916	Seq. ID	OJ000209_01.0301.C2
Gene No.	21128	Strand	+
Start	1	End	636
Name	OJ000209_01.0301.C2.o2.tm	Method	TBLASTX:Maize
Start	381	End	616
GI	none	Score	133
Exons	381..554, 387..554, 554..616		

Seq. No.	9917	Seq. ID	OJ000209_01.0301.C3
Gene No.	21129	Strand	+
Start	445	End	1342
Name	OJ000209_01.0301.C3.o1.gs	Method	GENSCAN
Start	445	End	1342
GI	none	Score	.52
Exons	445..486, 545..625, 884..1010, 1110..1135, 1226..1342		

Seq. No.	9918	Seq. ID	OJ000209_01.0301.C4
Gene No.	21130	Strand	+
Start	482	End	3888
Name	OJ000209_01.0301.C4.o1.gp	Method	AAT/GAP
Start	482	End	1046
GI	uC-osflcyp152h01b1	Score	1092
Exons	482..1046		
GI Descrip.	'3063455 1.0e-13 (AC003981) F22O13.17 [Arabidopsis thaliana]'		

Seq. No.	9918	Seq. ID	OJ000209_01.0301.C4
Gene No.	21130	Strand	+
Start	482	End	3888
Name	OJ000209_01.0301.C4.o1.gs	Method	GENSCAN
Start	510	End	3888
GI	none	Score	.74
Exons	510..1055, 1761..1815, 2151..2352, 2802..2892, 2928..3056, 3286..3888		

Seq. No.	9918	Seq. ID	OJ000209_01.0301.C4
Gene No.	21131	Strand	+
Start	6422	End	7334

Name	OJ000209_01.0301.C4.o2.gp	Method	AAT/GAP
Start	6422	End	6784
GI	none	Score	684
Exons	6422..6784		

Seq. No.	9918	Seq. ID	OJ000209_01.0301.C4
Gene No.	21131	Strand	+
Start	6422	End	7334
Name	OJ000209_01.0301.C4.o2.gs	Method	GENSCAN
Start	6576	End	7052
GI	none	Score	.72
Exons	6576..6950, 6999..7052		

Seq. No.	9918	Seq. ID	OJ000209_01.0301.C4
Gene No.	21131	Strand	+
Start	6422	End	7334
Name	OJ000209_01.0301.C4.o1.np	Method	AAT/NAP
Start	6597	End	7334
GI	3885343	Score	176
Exons	6597..6949, 7226..7334		
GI Descrip.	(AC005623) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	9918	Seq. ID	OJ000209_01.0301.C4
Gene No.	21132	Strand	+
Start	7770	End	8378
Name	OJ000209_01.0301.C4.o1.tm	Method	TBLASTX:Maize
Start	2986	End	3935
GI	none	Score	70
Exons	2986..3063, 2991..3056, 3278..3469, 3282..3431, 3320..3442, 3322..3450, 3437..3586, 3439..3588, 3439..3588, 3441..3590, 3584..3706, 3585..3710, 3595..3732, 3601..3732, 3725..3781, 3727..3795, 3732..3809, 3882..3935		

Seq. No.	9918	Seq. ID	OJ000209_01.0301.C4
Gene No.	21132	Strand	+
Start	7770	End	8378
Name	OJ000209_01.0301.C4.o2.tm	Method	TBLASTX:Maize
Start	6704	End	6896
GI	none	Score	118
Exons	6704..6808, 6707..6895, 6708..6896		

Seq. No.	9918	Seq. ID	OJ000209_01.0301.C4
Gene No.	21132	Strand	+
Start	7770	End	8378
Name	OJ000209_01.0301.C4.o1.ts	Method	TBLASTX:Soybean
Start	6707	End	6949
GI	none	Score	183
Exons	6707..6775, 6708..6848, 6901..6939, 6905..6949		

Seq. No.	9918	Seq. ID	OJ000209_01.0301.C4
Gene No.	21132	Strand	+
Start	7770	End	8378
Name	OJ000209_01.0301.C4.o3.gs	Method	GENSCAN
Start	7770	End	8378
GI	none	Score	.88
Exons	7770..7830, 8272..8378		

Seq. No.	9919	Seq. ID	OJ000209_01.0301.C5
Gene No.	21133	Strand	-
Start	1	End	1109
Name	OJ000209_01.0301.C5.o1.np	Method	AAT/NAP
Start	1	End	1109
GI	3935148	Score	323
Exons	1..62, 331..503, 783..891, 981..1109		
GI Descrip.	(AC005106) T25N20.12 [Arabidopsis thaliana]		

Seq. No.	9919	Seq. ID	OJ000209_01.0301.C5
Gene No.	21133	Strand	-
Start	1	End	1109
Name	OJ000209_01.0301.C5.o1.tm	Method	TBLASTX:Maize
Start	339	End	516
GI	none	Score	171
Exons	339..506, 341..508, 343..516, 349..504, 423..506		

Seq. No.	9919	Seq. ID	OJ000209_01.0301.C5
Gene No.	21133	Strand	-
Start	1	End	1109
Name	OJ000209_01.0301.C5.o1.ts	Method	TBLASTX:Soybean
Start	339	End	506
GI	none	Score	132
Exons	339..506, 340..498		

Seq. No.	9919	Seq. ID	OJ000209_01.0301.C5
Gene No.	21133	Strand	-
Start	1	End	1109
Name	OJ000209_01.0301.C5.o1.tw	Method	TBLASTX:Wheat
Start	339	End	477
GI	none	Score	140
Exons	339..476, 343..477		

Seq. No.	9919	Seq. ID	OJ000209_01.0301.C5
Gene No.	21133	Strand	-
Start	1	End	1109
Name	OJ000209_01.0301.C5.o1.gs	Method	GENSCAN
Start	733	End	891
GI	none	Score	.68
Exons	733..759, 783..891		

Seq. No.	9919	Seq. ID	OJ000209_01.0301.C5
Gene No.	21133	Strand	-
Start	1	End	1109
Name	OJ000209_01.0301.C5.o2.tm	Method	TBLASTX:Maize
Start	780	End	1109
GI	none	Score	57
Exons	780..890, 787..888, 980..1108, 987..1109		

Seq. No.	9920	Seq. ID	OJ000209_01.0301.C6
Gene No.	21134	Strand	-
Start	251	End	603
Name	OJ000209_01.0301.C6.o1.gs	Method	GENSCAN
Start	251	End	603
GI	none	Score	.77
Exons	251..603		

Seq. No.	9921	Seq. ID	OJ000209_01.0301.C7
Gene No.	21135	Strand	-
Start	1	End	580
Name	OJ000209_01.0301.C7.o1.np	Method	AAT/NAP
Start	1	End	580
GI	6513861	Score	206
Exons	1..580		
GI Descrip.	(AF000001) PilL [Salmonella typhi]		

Seq. No.	9921	Seq. ID	OJ000209_01.0301.C7
Gene No.	21135	Strand	-
Start	1	End	580
Name	OJ000209_01.0301.C7.o1.gs	Method	GENSCAN
Start	32	End	483
GI	none	Score	.72
Exons	32..483		

Seq. No.	9922	Seq. ID	OJ000209_01.0301.C9
Gene No.	21136	Strand	+
Start	515	End	598
Name	OJ000209_01.0301.C9.o1.gs	Method	GENSCAN
Start	515	End	598
GI	none	Score	.75
Exons	515..598		

Seq. No.	9923	Seq. ID	OJ000209_01.0301.C10
Gene No.	21137	Strand	-
Start	194	End	1465
Name	OJ000209_01.0301.C10.o1.gp	Method	AAT/GAP
Start	194	End	953
GI	11375_1.R1084	Score	1486
Exons	194..953		
GI Descrip.	'4895198/gb|AAD32785.1|AC007661_22 2.0e-10 (AC007661) unknown protein [Arabidopsis thaliana]'		

Seq. No.	9923	Seq. ID	OJ000209_01.0301.C10
Gene No.	21137	Strand	-
Start	194	End	1465
Name	OJ000209_01.0301.C10.o1.np	Method	AAT/NAP
Start	467	End	1465
GI	6714365	Score	854
Exons	467..1465		
GI Descrip.	(AC012562) unknown protein [Arabidopsis thaliana]		

Seq. No.	9923	Seq. ID	OJ000209_01.0301.C10
Gene No.	21137	Strand	-
Start	194	End	1465
Name	OJ000209_01.0301.C10.o2.gp	Method	AAT/GAP
Start	957	End	1281
GI	none	Score	561
Exons	957..1281		

Seq. No.	9923	Seq. ID	OJ000209_01.0301.C10
Gene No.	21138	Strand	-
Start	2523	End	4413
Name	OJ000209_01.0301.C10.o1.tm	Method	TBLASTX:Maize
Start	305	End	1145

GI	none	Score	50
Exons	305..361, 314..361, 377..433, 507..1145	388..432, 434..487, 473..1144,	
Seq. No.	9923	Seq. ID	OJ000209_01.0301.C10
Gene No.	21138	Strand	-
Start	2523	End	4413
Name	OJ000209_01.0301.C10.o3.tc	Method	TBLASTX:Cress
Start	512	End	677
GI	none	Score	150
Exons	512..676, 516..677		
Seq. No.	9923	Seq. ID	OJ000209_01.0301.C10
Gene No.	21138	Strand	-
Start	2523	End	4413
Name	OJ000209_01.0301.C10.o1.ts	Method	TBLASTX:Soybean
Start	659	End	1144
GI	none	Score	90
Exons	659..901, 663..785, 947..1144, 948..1133		
Seq. No.	9923	Seq. ID	OJ000209_01.0301.C10
Gene No.	21138	Strand	-
Start	2523	End	4413
Name	OJ000209_01.0301.C10.o1.tc	Method	TBLASTX:Cress
Start	701	End	1145
GI	none	Score	76
Exons	701..901, 708..788, 947..1144, 951..1145		
Seq. No.	9923	Seq. ID	OJ000209_01.0301.C10
Gene No.	21138	Strand	-
Start	2523	End	4413
Name	OJ000209_01.0301.C10.o2.ts	Method	TBLASTX:Soybean
Start	2511	End	3424
GI	none	Score	93
Exons	2511..2585, 2664..2789, 2664..2795, 2668..2793, 3332..3424, 3348..3416		
Seq. No.	9923	Seq. ID	OJ000209_01.0301.C10
Gene No.	21138	Strand	-
Start	2523	End	4413
Name	OJ000209_01.0301.C10.o2.tc	Method	TBLASTX:Cress
Start	2517	End	3506
GI	none	Score	79
Exons	2517..2588, 2520..2585, 2664..2789, 2664..2795, 2671..2793, 3327..3506, 3332..3424		
Seq. No.	9923	Seq. ID	OJ000209_01.0301.C10
Gene No.	21138	Strand	-
Start	2523	End	4413
Name	OJ000209_01.0301.C10.o2.tm	Method	TBLASTX:Maize
Start	2520	End	3424
GI	none	Score	52
Exons	2520..2585, 2532..2588, 2664..2795, 2668..2790, 3327..3416, 3332..3424		
Seq. No.	9923	Seq. ID	OJ000209_01.0301.C10
Gene No.	21138	Strand	-

Start	2523	End	4413
Name	OJ000209_01.0301.C10.o2.np	Method	AAT/NAP
Start	2523	End	4413
GI	629858	Score	329
Exons	2523..2587, 2669..2786, 3332..3424, 4360..4413		
GI Descrip.	protein kinase C inhibitor - maize		

Seq. No.	9924	Seq. ID	OJ000209_01.0301.C11
Gene No.	21139	Strand	-
Start	205	End	501
Name	OJ000209_01.0301.C11.o1.gs	Method	GENSCAN
Start	205	End	501
GI	none	Score	.53
Exons	205..501		

Seq. No.	9925	Seq. ID	OJ000209_01.0301.C12
Gene No.	21140	Strand	-
Start	490	End	2361
Name	OJ000209_01.0301.C12.o1.gs	Method	GENSCAN
Start	490	End	2345
GI	none	Score	.87
Exons	490..648, 1094..1108, 1247..1318, 1491..2345		

Seq. No.	9925	Seq. ID	OJ000209_01.0301.C12
Gene No.	21140	Strand	-
Start	490	End	2361
Name	OJ000209_01.0301.C12.o1.np	Method	AAT/NAP
Start	501	End	2126
GI	3273764	Score	388
Exons	501..573, 1242..1318, 1491..1699, 1742..2126		
GI Descrip.	(AF061870) Dc3 promoter-binding factor-3 [Helianthus annuus]		

Seq. No.	9925	Seq. ID	OJ000209_01.0301.C12
Gene No.	21140	Strand	-
Start	490	End	2361
Name	OJ000209_01.0301.C12.o1.tm	Method	TBLASTX:Maize
Start	1241	End	2361
GI	none	Score	94
Exons	1241..1321, 1246..1326, 1491..1661, 1491..1664, 1492..1665, 1660..1827, 1664..1828, 1664..1831, 1668..1844, 1668..1844, 1845..1943, 1851..1967, 1891..1968, 2010..2135, 2011..2091, 2028..2126, 2152..2271, 2166..2264, 2332..2361		

Seq. No.	9925	Seq. ID	OJ000209_01.0301.C12
Gene No.	21140	Strand	-
Start	490	End	2361
Name	OJ000209_01.0301.C12.o1.tw	Method	TBLASTX:Wheat
Start	1581	End	1947
GI	none	Score	70
Exons	1581..1733, 1582..1707, 1590..1739, 1592..1735, 1788..1868, 1789..1815, 1872..1946, 1897..1947		

Seq. No.	9926	Seq. ID	OJ000209_01.0301.C13
Gene No.	21141	Strand	+
Start	812	End	15070
Name	OJ000209_01.0301.C13.o2.np	Method	AAT/NAP
Start	812	End	11388

GI	6649242	Score	166
Exons	812..1119, 2473..2589, 7724..8311, 11121..11388		
GI Descrip.	(AF201422) splicing coactivator subunit SRm300 [Homo sapiens]		

Seq. No.	9926	Seq. ID	OJ000209_01.0301.C13
Gene No.	21141	Strand	+
Start	812	End	15070
Name	OJ000209_01.0301.C13.o1.gs	Method	GENSCAN
Start	868	End	1179
GI	none	Score	.68
Exons	868..1179		

Seq. No.	9926	Seq. ID	OJ000209_01.0301.C13
Gene No.	21141	Strand	+
Start	812	End	15070
Name	OJ000209_01.0301.C13.o1.np	Method	AAT/NAP
Start	5119	End	7804
GI	6587812	Score	435
Exons	5119..5210, 5775..5841, 5955..6040, 6704..6792, 6906..7030, 7325..7401, 7710..7804		
GI Descrip.	(AC010924) Similar to gb|U44028 transcription factor CKC from Arabidopsis thaliana and contains two PF|00847 AP2 domains.		

Seq. No.	9926	Seq. ID	OJ000209_01.0301.C13
Gene No.	21141	Strand	+
Start	812	End	15070
Name	OJ000209_01.0301.C13.o3.gs	Method	GENSCAN
Start	5591	End	8362
GI	none	Score	.72
Exons	5591..5841, 5955..6040, 6704..6792, 6906..7030, 7325..7401, 7710..8362		

Seq. No.	9926	Seq. ID	OJ000209_01.0301.C13
Gene No.	21141	Strand	+
Start	812	End	15070
Name	OJ000209_01.0301.C13.o4.gs	Method	GENSCAN
Start	10908	End	15070
GI	none	Score	.78
Exons	10908..11302, 11490..11622, 11793..11946, 12500..12570, 12746..12865, 13208..13326, 13744..13825, 14364..14435, 14939..15070		

Seq. No.	9926	Seq. ID	OJ000209_01.0301.C13
Gene No.	21141	Strand	+
Start	812	End	15070
Name	OJ000209_01.0301.C13.o1.gp	Method	AAT/GAP
Start	11105	End	14389
GI	452_4.R1084	Score	2027
Exons	11105..11302, 11790..11946, 12500..12570, 12746..12865, 13208..13326, 13744..13825, 14037..14389		
GI Descrip.	'1703380/sp|P51823|ARF_ORYSA 1.0e-101 ADP-RIBOSYLATION FACTOR >gi_1132483_dbj_BAA04607_ (D17760) ADP-ribosylation factor [Oryza sativa]'		

Seq. No.	9926	Seq. ID	OJ000209_01.0301.C13
Gene No.	21141	Strand	+
Start	812	End	15070

Name	OJ000209_01.0301.C13.o3.np	Method	AAT/NAP
Start	11799	End	13828
GI	1703380	Score	810
Exons	11799..11946, 12500..12570, 12746..12865, 13208..13326, 13744..13828		
GI Descrip.	ADP-RIBOSYLATION FACTOR gi|1132483|dbj|BAA04607| (D17760) ADP-ribosylation factor [Oryza sativa]		

Seq. No.	9926	Seq. ID	OJ000209_01.0301.C13
Gene No.	21141	Strand	+
Start	812	End	15070
Name	OJ000209_01.0301.C13.o2.gp	Method	AAT/GAP
Start	14681	End	14986
GI	none	Score	612
Exons	14681..14986		

Seq. No.	9926	Seq. ID	OJ000209_01.0301.C13
Gene No.	21142	Strand	-
Start	2453	End	5166
Name	OJ000209_01.0301.C13.o2.gs	Method	GENSCAN
Start	2453	End	5166
GI	none	Score	.61
Exons	2453..2678, 2752..3066, 3612..3812, 3986..4067, 5115..5166		

Seq. No.	9926	Seq. ID	OJ000209_01.0301.C13
Gene No.	21143	Strand	
Start	5953	End	7804
Name	OJ000209_01.0301.C13.o2.ts	Method	TBLASTX:Soybean
Start	5953	End	7394
GI	none	Score	72
Exons	5953..6027, 6697..6798, 6906..7031, 6920..7024, 7323..7394		

Seq. No.	9926	Seq. ID	OJ000209_01.0301.C13
Gene No.	21143	Strand	
Start	5953	End	7804
Name	OJ000209_01.0301.C13.o2.tc	Method	TBLASTX:Cress
Start	6697	End	7801
GI	none	Score	129
Exons	6697..6795, 6697..6795, 6906..7031, 6950..7027, 7322..7378, 7323..7373, 7362..7400, 7709..7801, 7712..7789		

Seq. No.	9926	Seq. ID	OJ000209_01.0301.C13
Gene No.	21143	Strand	
Start	5953	End	7804
Name	OJ000209_01.0301.C13.o2.tm	Method	TBLASTX:Maize
Start	6697	End	7804
GI	none	Score	131
Exons	6697..6798, 6697..6795, 6891..7016, 6906..7031, 6952..7017, 6953..7027, 7322..7399, 7323..7400, 7324..7416, 7709..7804, 7709..7801		

Seq. No.	9926	Seq. ID	OJ000209_01.0301.C13
Gene No.	21144	Strand	
Start	11768	End	13826
Name	OJ000209_01.0301.C13.o1.tc	Method	TBLASTX:Cress
Start	11768	End	13303
GI	none	Score	65

Exons	11768..11914, 11790..11948, 11798..11947, 12498..12569, 12499..12573, 12743..12865, 12743..12934, 13199..13300, 13205..13303		
Seq. No.	9926	Seq. ID	OJ000209_01.0301.C13
Gene No.	21144	Strand	
Start	11768	End	13826
Name	OJ000209_01.0301.C13.o1.tm	Method	TBLASTX:Maize
Start	11783	End	12808
GI	none	Score	255
Exons	11783..11947, 11793..11948, 12498..12569, 12499..12570, 12743..12808, 12745..12786, 12752..12808		
Seq. No.	9926	Seq. ID	OJ000209_01.0301.C13
Gene No.	21144	Strand	
Start	11768	End	13826
Name	OJ000209_01.0301.C13.o1.ts	Method	TBLASTX:Soybean
Start	11783	End	13825
GI	none	Score	255
Exons	11783..11947, 11793..11948, 12498..12569, 12499..12573, 12743..12865, 12743..12901, 13199..13327, 13205..13333, 13206..13328, 13744..13824, 13745..13825		
Seq. No.	9926	Seq. ID	OJ000209_01.0301.C13
Gene No.	21144	Strand	
Start	11768	End	13826
Name	OJ000209_01.0301.C13.o1.tw	Method	TBLASTX:Wheat
Start	11795	End	12780
GI	none	Score	249
Exons	11795..11947, 11796..11948, 12498..12569, 12498..12575, 12499..12573, 12743..12778, 12743..12778, 12745..12780, 12745..12780		
Seq. No.	9926	Seq. ID	OJ000209_01.0301.C13
Gene No.	21144	Strand	
Start	11768	End	13826
Name	OJ000209_01.0301.C13.o2.tw	Method	TBLASTX:Wheat
Start	12782	End	13825
GI	none	Score	140
Exons	12782..12865, 12782..12865, 12783..12866, 13199..13327, 13240..13329, 13246..13329, 13744..13824, 13745..13825		
Seq. No.	9926	Seq. ID	OJ000209_01.0301.C13
Gene No.	21144	Strand	
Start	11768	End	13826
Name	OJ000209_01.0301.C13.o3.tm	Method	TBLASTX:Maize
Start	12809	End	13826
GI	none	Score	91
Exons	12809..12865, 13199..13327, 13240..13329, 13243..13329, 13742..13825, 13743..13826, 13745..13825		
Seq. No.	9927	Seq. ID	OJ000209_01.0301.C14
Gene No.	21145	Strand	-
Start	49	End	2241
Name	OJ000209_01.0301.C14.o1.np	Method	AAT/NAP
Start	49	End	2241
GI	4929759	Score	266

Exons	49..116, 202..325, 595..664, 774..831, 916..1009, 1522..1722, 1958..2241		
GI Descrip.	(AF151903) CGI-145 protein [Homo sapiens]		
Seq. No.	9927	Seq. ID	OJ000209_01.0301.C14
Gene No.	21145	Strand	-
Start	49	End	2241
Name	OJ000209_01.0301.C14.o1.gs	Method	GENSCAN
Start	338	End	2156
GI	none	Score	.67
Exons	338..400, 595..649, 774..831, 916..1009, 1522..1722, 1958..2156		
Seq. No.	9928	Seq. ID	OJ000209_01.0301.C15
Gene No.	21146	Strand	+
Start	2592	End	2829
Name	OJ000209_01.0301.C15.o1.gp	Method	AAT/GAP
Start	2592	End	2829
GI	426253	Score	432
Exons	2592..2829		
Seq. No.	9928	Seq. ID	OJ000209_01.0301.C15
Gene No.	21147	Strand	-
Start	1746	End	2765
Name	OJ000209_01.0301.C15.o1.np	Method	AAT/NAP
Start	1714	End	2269
GI	4249391	Score	175
Exons	1714..1947, 2211..2269		
GI Descrip.	(AC005966) Similar to gi|3249076 T13D8.16 beta glucosidase from Arabidopsis thaliana BAC gb|AC004473. [Arabidopsis thaliana]		
Seq. No.	9928	Seq. ID	OJ000209_01.0301.C15
Gene No.	21147	Strand	-
Start	1746	End	2765
Name	OJ000209_01.0301.C15.o1.gs	Method	GENSCAN
Start	1746	End	2765
GI	none	Score	.99
Exons	1746..1947, 2211..2298, 2759..2765		
Seq. No.	9929	Seq. ID	OJ000209_01.0301.C16
Gene No.	21148	Strand	+
Start	91	End	3797
Name	OJ000209_01.0301.C16.o4.tw	Method	TBLASTX:Wheat
Start	3	End	382
GI	none	Score	120
Exons	3..83, 4..120, 97..381, 171..362, 200..382		
Seq. No.	9929	Seq. ID	OJ000209_01.0301.C16
Gene No.	21148	Strand	+
Start	91	End	3797
Name	OJ000209_01.0301.C16.o1.gs	Method	GENSCAN
Start	91	End	3225
GI	none	Score	.46
Exons	91..3225		
Seq. No.	9929	Seq. ID	OJ000209_01.0301.C16
Gene No.	21148	Strand	+
Start	91	End	3797

Name	OJ000209_01.0301.C16.o1.np	Method	AAT/NAP
Start	91	End	3797
GI	6630696	Score	6367
Exons	91..3797		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	9929	Seq. ID	OJ000209_01.0301.C16
Gene No.	21148	Strand	+
Start	91	End	3797
Name	OJ000209_01.0301.C16.o1.gp	Method	AAT/GAP
Start	133	End	1023
GI	101595_1.R1084	Score	1463
Exons	133..833, 949..1023		
GI Descrip.	'3047066 3.0e-15 (AF058825) contains similarity to retrovirus-related POL polyproteins [Arabidopsis thaliana]'		

Seq. No.	9929	Seq. ID	OJ000209_01.0301.C16
Gene No.	21148	Strand	+
Start	91	End	3797
Name	OJ000209_01.0301.C16.o3.tm	Method	TBLASTX:Maize
Start	133	End	441
GI	none	Score	318
Exons	133..441, 180..362, 233..376, 262..438		

Seq. No.	9929	Seq. ID	OJ000209_01.0301.C16
Gene No.	21148	Strand	+
Start	91	End	3797
Name	OJ000209_01.0301.C16.o1.tm	Method	TBLASTX:Maize
Start	964	End	1308
GI	none	Score	384
Exons	964..1236, 965..1237, 966..1238, 966..1238, 1267..1308		

Seq. No.	9929	Seq. ID	OJ000209_01.0301.C16
Gene No.	21148	Strand	+
Start	91	End	3797
Name	OJ000209_01.0301.C16.o5.ts	Method	TBLASTX:Soybean
Start	1282	End	1662
GI	none	Score	88
Exons	1282..1431, 1414..1662		

Seq. No.	9929	Seq. ID	OJ000209_01.0301.C16
Gene No.	21148	Strand	+
Start	91	End	3797
Name	OJ000209_01.0301.C16.o4.tm	Method	TBLASTX:Maize
Start	1420	End	1884
GI	none	Score	313
Exons	1420..1884, 1659..1877		

Seq. No.	9929	Seq. ID	OJ000209_01.0301.C16
Gene No.	21148	Strand	+
Start	91	End	3797
Name	OJ000209_01.0301.C16.o5.tw	Method	TBLASTX:Wheat
Start	1527	End	1727
GI	none	Score	274
Exons	1527..1727, 1528..1725, 1530..1727		

Seq. No.	9929	Seq. ID	OJ000209_01.0301.C16
Gene No.	21148	Strand	+
Start	91	End	3797
Name	OJ000209_01.0301.C16.o2.ts	Method	TBLASTX:Soybean
Start	1672	End	2070
GI	none	Score	207
Exons	1672..1893, 1674..1889, 1897..2070		

Seq. No.	9929	Seq. ID	OJ000209_01.0301.C16
Gene No.	21148	Strand	+
Start	91	End	3797
Name	OJ000209_01.0301.C16.o2.tc	Method	TBLASTX:Cress
Start	1687	End	2163
GI	none	Score	119
Exons	1687..1887, 1906..2094, 2098..2163		

Seq. No.	9929	Seq. ID	OJ000209_01.0301.C16
Gene No.	21148	Strand	+
Start	91	End	3797
Name	OJ000209_01.0301.C16.o1.tw	Method	TBLASTX:Wheat
Start	1728	End	2475
GI	none	Score	269
Exons	1728..2135, 1728..2225, 1735..2475, 2286..2471, 2293..2475		

Seq. No.	9929	Seq. ID	OJ000209_01.0301.C16
Gene No.	21148	Strand	+
Start	91	End	3797
Name	OJ000209_01.0301.C16.o1.ts	Method	TBLASTX:Soybean
Start	2395	End	2859
GI	5509260	Score	363
Exons	2395..2859, 2490..2651, 2682..2711		
GI Descrip.	-		

Seq. No.	9929	Seq. ID	OJ000209_01.0301.C16
Gene No.	21148	Strand	+
Start	91	End	3797
Name	OJ000209_01.0301.C16.o1.tc	Method	TBLASTX:Cress
Start	2482	End	2748
GI	none	Score	281
Exons	2482..2604, 2488..2748, 2490..2660		

Seq. No.	9929	Seq. ID	OJ000209_01.0301.C16
Gene No.	21148	Strand	+
Start	91	End	3797
Name	OJ000209_01.0301.C16.o2.tm	Method	TBLASTX:Maize
Start	2530	End	2994
GI	none	Score	331
Exons	2530..2994, 2543..2602, 2665..2745, 2781..2891		

Seq. No.	9929	Seq. ID	OJ000209_01.0301.C16
Gene No.	21148	Strand	+
Start	91	End	3797
Name	OJ000209_01.0301.C16.o3.tw	Method	TBLASTX:Wheat
Start	2530	End	3281
GI	none	Score	293
Exons	2530..2874, 2869..3075, 3228..3281		

Seq. No.	9929	Seq. ID	OJ000209_01.0301.C16
Gene No.	21148	Strand	+
Start	91	End	3797
Name	OJ000209_01.0301.C16.o3.ts	Method	TBLASTX:Soybean
Start	2928	End	3278
GI	none	Score	141
Exons	2928..3092, 2929..3087, 3087..3215, 3088..3201, 3189..3275, 3192..3278		

Seq. No.	9929	Seq. ID	OJ000209_01.0301.C16
Gene No.	21148	Strand	+
Start	91	End	3797
Name	OJ000209_01.0301.C16.o5.tm	Method	TBLASTX:Maize
Start	3055	End	3416
GI	none	Score	115
Exons	3055..3216, 3078..3215, 3192..3416, 3230..3373		

Seq. No.	9929	Seq. ID	OJ000209_01.0301.C16
Gene No.	21148	Strand	+
Start	91	End	3797
Name	OJ000209_01.0301.C16.o2.tw	Method	TBLASTX:Wheat
Start	3282	End	3756
GI	none	Score	101
Exons	3282..3356, 3283..3339, 3287..3355, 3365..3412, 3375..3407, 3406..3756, 3407..3754, 3418..3756		

Seq. No.	9929	Seq. ID	OJ000209_01.0301.C16
Gene No.	21148	Strand	+
Start	91	End	3797
Name	OJ000209_01.0301.C16.o4.ts	Method	TBLASTX:Soybean
Start	3288	End	3628
GI	none	Score	89
Exons	3288..3395, 3380..3628, 3424..3549		

Seq. No.	9930	Seq. ID	OJ000209_01.0301.C17
Gene No.	21149	Strand	+
Start	658	End	946
Name	OJ000209_01.0301.C17.o1.gp	Method	AAT/GAP
Start	658	End	946
GI	426253	Score	526
Exons	658..946		

Seq. No.	9930	Seq. ID	OJ000209_01.0301.C17
Gene No.	21150	Strand	-
Start	1069	End	7727
Name	OJ000209_01.0301.C17.o2.tw	Method	TBLASTX:Wheat
Start	34	End	388
GI	none	Score	36
Exons	34..78, 34..66, 79..186, 81..173, 104..202, 112..174, 185..247, 186..212, 259..387, 262..315, 359..388		

Seq. No.	9930	Seq. ID	OJ000209_01.0301.C17
Gene No.	21150	Strand	-
Start	1069	End	7727
Name	OJ000209_01.0301.C17.o1.gs	Method	GENSCAN
Start	1069	End	6716

GI	none	Score	.53
Exons	1069..1097, 1449..1551, 2221..2256, 2733..2934, 3133..3188, 3895..4117, 4262..4349, 4447..4518, 4596..4671, 5933..6022, 6394..6642, 6660..6716		

Seq. No.	9930	Seq. ID	OJ000209_01.0301.C17
Gene No.	21150	Strand	-
Start	1069	End	7727
Name	OJ000209_01.0301.C17.o1.np	Method	AAT/NAP
Start	1440	End	7727
GI	6056418	Score	840
Exons	1440..1556, 2721..2934, 3536..3638, 3883..4153, 4262..4349, 4447..4518, 4596..4671, 5933..5970, 7433..7514, 7597..7727		
GI Descrip.	(AC009525) Similar to beta-glucosidases [Arabidopsis thaliana]		

Seq. No.	9930	Seq. ID	OJ000209_01.0301.C17
Gene No.	21150	Strand	-
Start	1069	End	7727
Name	OJ000209_01.0301.C17.o1.ts	Method	TBLASTX:Soybean
Start	2739	End	7653
GI	none	Score	102
Exons	2739..2930, 3532..3591, 3895..3996, 4009..4152, 4010..4153, 4253..4351, 4255..4362, 4439..4501, 4445..4510, 4582..4677, 4595..4669, 5933..5989, 7455..7559, 7597..7653		

Seq. No.	9930	Seq. ID	OJ000209_01.0301.C17
Gene No.	21150	Strand	-
Start	1069	End	7727
Name	OJ000209_01.0301.C17.o2.tm	Method	TBLASTX:Maize
Start	2781	End	3654
GI	none	Score	160
Exons	2781..2933, 2782..2934, 2782..2934, 2810..2965, 3535..3606, 3540..3599, 3609..3650, 3619..3654		

Seq. No.	9930	Seq. ID	OJ000209_01.0301.C17
Gene No.	21150	Strand	-
Start	1069	End	7727
Name	OJ000209_01.0301.C17.o1.tw	Method	TBLASTX:Wheat
Start	2787	End	4680
GI	none	Score	75
Exons	2787..2930, 4015..4161, 4016..4162, 4255..4374, 4457..4519, 4458..4520, 4597..4680, 4598..4669		

Seq. No.	9930	Seq. ID	OJ000209_01.0301.C17
Gene No.	21150	Strand	-
Start	1069	End	7727
Name	OJ000209_01.0301.C17.o1.tc	Method	TBLASTX:Cress
Start	3895	End	4366
GI	none	Score	111
Exons	3895..3993, 3997..4161, 3998..4171, 4253..4366, 4255..4365		

Seq. No.	9930	Seq. ID	OJ000209_01.0301.C17
Gene No.	21150	Strand	-
Start	1069	End	7727
Name	OJ000209_01.0301.C17.o1.tm	Method	TBLASTX:Maize
Start	3895	End	7654
GI	none	Score	36

Exons	3895..3993, 3929..3991, 4000..4152, 4001..4156, 4250..4351, 4255..4407, 4443..4520, 4445..4519, 4597..4677, 4598..4669, 5933..6004, 7449..7559, 7450..7512, 7594..7653, 7604..7654		
Seq. No.	9931	Seq. ID	OJ000209_01.0301.C18
Gene No.	21151	Strand	-
Start	864	End	4210
Name	OJ000209_01.0301.C18.o1.np	Method	AAT/NAP
Start	829	End	4210
GI	4972113	Score	591
Exons	829..1065, 1228..1314, 1504..1599, 2605..2832, 3065..3180, 3810..4210		
GI Descrip.	(AL078579) putative beta-glucosidase [Arabidopsis thaliana]		
Seq. No.	9931	Seq. ID	OJ000209_01.0301.C18
Gene No.	21151	Strand	-
Start	864	End	4210
Name	OJ000209_01.0301.C18.o1.gs	Method	GENSCAN
Start	864	End	4082
GI	none	Score	.82
Exons	864..1065, 1228..1315, 2223..2242, 2302..2330, 2631..2832, 3065..3180, 3810..4082		
Seq. No.	9931	Seq. ID	OJ000209_01.0301.C18
Gene No.	21151	Strand	-
Start	864	End	4210
Name	OJ000209_01.0301.C18.o2.tm	Method	TBLASTX:Maize
Start	887	End	1319
GI	none	Score	107
Exons	887..1066, 891..1067, 894..1067, 895..1068, 1227..1319		
Seq. No.	9931	Seq. ID	OJ000209_01.0301.C18
Gene No.	21151	Strand	-
Start	864	End	4210
Name	OJ000209_01.0301.C18.o1.ts	Method	TBLASTX:Soybean
Start	963	End	4076
GI	none	Score	79
Exons	963..1064, 2661..2840, 2661..2828, 3061..3174, 3065..3175, 3810..3908, 3918..4076, 3919..4065		
Seq. No.	9931	Seq. ID	OJ000209_01.0301.C18
Gene No.	21151	Strand	-
Start	864	End	4210
Name	OJ000209_01.0301.C18.o3.tm	Method	TBLASTX:Maize
Start	2679	End	3200
GI	none	Score	156
Exons	2679..2831, 2680..2832, 2682..2834, 3064..3183, 3064..3177, 3087..3200		
Seq. No.	9931	Seq. ID	OJ000209_01.0301.C18
Gene No.	21151	Strand	-
Start	864	End	4210
Name	OJ000209_01.0301.C18.o1.tc	Method	TBLASTX:Cress
Start	3810	End	4077
GI	none	Score	81
Exons	3810..3908, 3912..4076, 3988..4077		

Seq. No.	9931	Seq. ID	OJ000209_01.0301.C18
Gene No.	21151	Strand	-
Start	864	End	4210
Name	OJ000209_01.0301.C18.o1.tm	Method	TBLASTX:Maize
Start	3810	End	4071
GI	none	Score	35
Exons	3810..3908, 3844..3912, 3915..4067, 3918..4067, 3985..4071		

Seq. No.	9932	Seq. ID	OJ000209_01.0301.C19
Gene No.	21152	Strand	+
Start	2929	End	3254
Name	OJ000209_01.0301.C19.o1.gp	Method	AAT/GAP
Start	2929	End	3254
GI	4715792	Score	623
Exons	2929..3254		
GI Descrip.	3063455 1.0e-13 (AC003981) F22O13.17 [Arabidopsis thaliana]		

Seq. No.	9932	Seq. ID	OJ000209_01.0301.C19
Gene No.	21153	Strand	+
Start	3156	End	3499
Name	OJ000209_01.0301.C19.o2.np	Method	AAT/NAP
Start	3156	End	3499
GI	3063455	Score	123
Exons	3156..3254, 3471..3499		
GI Descrip.	(AC003981) F22O13.17 [Arabidopsis thaliana]		

Seq. No.	9932	Seq. ID	OJ000209_01.0301.C19
Gene No.	21154	Strand	-
Start	1	End	1216
Name	OJ000209_01.0301.C19.o1.np	Method	AAT/NAP
Start	1	End	1216
GI	4972114	Score	209
Exons	1..142, 566..613, 922..987, 1091..1216		
GI Descrip.	(AL078579) putative beta-glucosidase [Arabidopsis thaliana]		

Seq. No.	9933	Seq. ID	OJ000209_01.0301.C20
Gene No.	21155	Strand	+
Start	271	End	978
Name	OJ000209_01.0301.C20.o1.np	Method	AAT/NAP
Start	271	End	978
GI	3063455	Score	59
Exons	271..365, 507..568, 955..978		
GI Descrip.	(AC003981) F22O13.17 [Arabidopsis thaliana]		

Seq. No.	9933	Seq. ID	OJ000209_01.0301.C20
Gene No.	21155	Strand	+
Start	271	End	978
Name	OJ000209_01.0301.C20.o1.gp	Method	AAT/GAP
Start	304	End	568
GI	4715792	Score	110
Exons	304..327, 507..568		
GI Descrip.	3063455 1.0e-13 (AC003981) F22O13.17 [Arabidopsis thaliana]		

Seq. No.	9934	Seq. ID	OJ000209_01.0301.C21
Gene No.	21156	Strand	+
Start	3001	End	6211
Name	OJ000209_01.0301.C21.o1.gs	Method	GENSCAN

Start	3001	End	5394
GI	none	Score	.73
Exons	3001..3112, 3481..3622, 3713..3803, 4194..4274, 4376..4465, 5083..5148, 5245..5394		

Seq. No.	9934	Seq. ID	OJ000209_01.0301.C21
Gene No.	21156	Strand	+
Start	3001	End	6211
Name	OJ000209_01.0301.C21.o1.np	Method	AAT/NAP
Start	3001	End	5912
GI	4336205	Score	1109
Exons	3001..3112, 3481..3622, 3713..3803, 3916..3993, 4194..4274, 4376..4465, 5083..5148, 5625..5711, 5823..5912		
GI Descrip.	(AF077372) cytochrome b5 reductase [Zea mays]		

Seq. No.	9934	Seq. ID	OJ000209_01.0301.C21
Gene No.	21156	Strand	+
Start	3001	End	6211
Name	OJ000209_01.0301.C21.o1.gp	Method	AAT/GAP
Start	3937	End	6211
GI	19579_1.R1084	Score	1325
Exons	3937..3993, 4194..4274, 4376..4465, 5083..5148, 5625..5711, 5823..6211		
GI Descrip.	'3063455 1.0e-13 (AC003981) F22O13.17 [Arabidopsis thaliana]'		

Seq. No.	9934	Seq. ID	OJ000209_01.0301.C21
Gene No.	21157	Strand	-
Start	5674	End	6048
Name	OJ000209_01.0301.C21.o1.tm	Method	TBLASTX:Maize
Start	2996	End	6048
GI	none	Score	36
Exons	2996..3013, 2997..3113, 2998..3114, 3474..3620, 3475..3621, 3479..3622, 3480..3623, 3705..3806, 3707..3808, 3904..3993, 3910..4002, 4192..4275, 4193..4276, 4193..4276, 4194..4277, 4369..4467, 4373..4471, 4373..4465, 4375..4476, 5074..5148, 5077..5148, 5574..5714, 5623..5709, 5624..5710, 5808..5876, 5820..5957, 5821..5916, 5822..5917, 5989..6048		

Seq. No.	9934	Seq. ID	OJ000209_01.0301.C21
Gene No.	21157	Strand	-
Start	5674	End	6048
Name	OJ000209_01.0301.C21.o1.tw	Method	TBLASTX:Wheat
Start	2997	End	5684
GI	none	Score	67
Exons	2997..3113, 2998..3114, 3474..3620, 3479..3622, 3480..3623, 3481..3630, 3705..3806, 3707..3808, 3904..3993, 3910..4002, 3915..4001, 4193..4276, 4194..4277, 4373..4471, 4373..4465, 4375..4476, 5077..5148, 5605..5682, 5610..5684, 5624..5683		

Seq. No.	9934	Seq. ID	OJ000209_01.0301.C21
Gene No.	21157	Strand	-
Start	5674	End	6048
Name	OJ000209_01.0301.C21.o1.ts	Method	TBLASTX:Soybean
Start	3474	End	5932
GI	none	Score	227
Exons	3474..3623, 3475..3624, 3479..3622, 3705..3806, 3707..3808, 3904..3993, 3909..4001, 3910..4002, 3915..4001, 4193..4276,		

4194..4277, 4373..4471, 4375..4476, 5077..5148, 5610..5714,
5624..5707, 5820..5915, 5822..5932, 5822..5911

Seq. No.	9934	Seq. ID	OJ000209_01.0301.C21
Gene No.	21157	Strand	-
Start	5674	End	6048
Name	OJ000209_01.0301.C21.o1.tc	Method	TBLASTX:Cress
Start	3482	End	5919
GI	none	Score	81
Exons	3482..3622, 3483..3623, 3485..3622, 3705..3806, 3707..3808, 3904..3993, 3910..4002, 4193..4276, 4193..4276, 4194..4277, 4373..4471, 4375..4476, 5077..5148, 5574..5714, 5624..5710, 5807..5914, 5820..5918, 5822..5911, 5848..5919		

Seq. No.	9934	Seq. ID	OJ000209_01.0301.C21
Gene No.	21157	Strand	-
Start	5674	End	6048
Name	OJ000209_01.0301.C21.o2.gs	Method	GENSCAN
Start	5674	End	5921
GI	none	Score	.53
Exons	5674..5694, 5797..5921		

Seq. No.	9935	Seq. ID	OJ000209_01.0301.C22
Gene No.	21158	Strand	+
Start	1	End	1622
Name	OJ000209_01.0301.C22.o1.np	Method	AAT/NAP
Start	1	End	1622
GI	2281780	Score	163
Exons	1..57, 770..955, 1318..1427, 1491..1622		
GI Descrip.	(AB003041) O-acetylserine (thiol) lyase [Arabidopsis thaliana] gi|6091759|gb|AAF03469.1|AC009327_8 (AC009327) O-acetylserine (thiol) lyase [Arabidopsis thaliana]		

Seq. No.	9935	Seq. ID	OJ000209_01.0301.C22
Gene No.	21158	Strand	+
Start	1	End	1622
Name	OJ000209_01.0301.C22.o1.gs	Method	GENSCAN
Start	680	End	1548
GI	none	Score	.87
Exons	680..955, 1318..1427, 1491..1548		

Seq. No.	9935	Seq. ID	OJ000209_01.0301.C22
Gene No.	21158	Strand	+
Start	1	End	1622
Name	OJ000209_01.0301.C22.o1.tm	Method	TBLASTX:Maize
Start	1290	End	1548
GI	none	Score	157
Exons	1290..1427, 1309..1428, 1315..1428, 1488..1541, 1489..1548		

Seq. No.	9935	Seq. ID	OJ000209_01.0301.C22
Gene No.	21158	Strand	+
Start	1	End	1622
Name	OJ000209_01.0301.C22.o1.ts	Method	TBLASTX:Soybean
Start	1290	End	1556
GI	none	Score	164
Exons	1290..1436, 1309..1437, 1488..1556, 1489..1548		

Seq. No.	9935	Seq. ID	OJ000209_01.0301.C22
Gene No.	21158	Strand	+
Start	1	End	1622
Name	OJ000209_01.0301.C22.o1.tc	Method	TBLASTX:Cress
Start	1309	End	1560
GI	none	Score	169
Exons	1309..1437, 1317..1427, 1488..1553, 1489..1560		

Seq. No.	9935	Seq. ID	OJ000209_01.0301.C22
Gene No.	21158	Strand	+
Start	1	End	1622
Name	OJ000209_01.0301.C22.o1.tw	Method	TBLASTX:Wheat
Start	1315	End	1548
GI	none	Score	161
Exons	1315..1428, 1317..1427, 1488..1541, 1489..1548		

Seq. No.	9936	Seq. ID	OJ000209_01.0301.C23
Gene No.	21159	Strand	+
Start	1	End	1828
Name	OJ000209_01.0301.C23.o1.np	Method	AAT/NAP
Start	1	End	1828
GI	2281780	Score	423
Exons	1..165, 818..869, 982..1044, 1144..1190, 1552..1632, 1745..1828		
GI Descrip.	(AB003041) O-acetylserine (thiol) lyase [Arabidopsis thaliana] gi|6091759|gb|AAF03469.1|AC009327_8 (AC009327) O-acetylserine (thiol) lyase [Arabidopsis thaliana]		

Seq. No.	9936	Seq. ID	OJ000209_01.0301.C23
Gene No.	21159	Strand	+
Start	1	End	1828
Name	OJ000209_01.0301.C23.o1.gs	Method	GENSCAN
Start	47	End	1632
GI	none	Score	.86
Exons	47..165, 818..869, 982..1031, 1131..1190, 1552..1632		

Seq. No.	9936	Seq. ID	OJ000209_01.0301.C23
Gene No.	21160	Strand	+
Start	1904	End	2252
Name	OJ000209_01.0301.C23.o1.gp	Method	AAT/GAP
Start	1904	End	2252
GI	none	Score	694
Exons	1904..2252		

Seq. No.	9937	Seq. ID	OJ000209_01.0301.C24
Gene No.	21161	Strand	+
Start	1	End	2816
Name	OJ000209_01.0301.C24.o1.np	Method	AAT/NAP
Start	1	End	2816
GI	3063458	Score	197
Exons	1..37, 105..289, 1485..1632, 2769..2816		
GI Descrip.	(AC003981) F22O13.20 [Arabidopsis thaliana]		

Seq. No.	9937	Seq. ID	OJ000209_01.0301.C24
Gene No.	21161	Strand	+
Start	1	End	2816
Name	OJ000209_01.0301.C24.o1.gs	Method	GENSCAN
Start	138	End	2371

GI	none	Score	.82
Exons	138..289, 1485..1647, 1731..1855, 1912..1949, 2256..2371		

Seq. No.	9938	Seq. ID	OJ000209_01.0301.C25
Gene No.	21162	Strand	+
Start	200	End	2946
Name	OJ000209_01.0301.C25.o1.gs	Method	GENSCAN
Start	200	End	2946
GI	none	Score	.55
Exons	200..259, 311..431, 728..937, 1384..1823, 2227..2946		

Seq. No.	9938	Seq. ID	OJ000209_01.0301.C25
Gene No.	21162	Strand	+
Start	200	End	2946
Name	OJ000209_01.0301.C25.o1.gp	Method	AAT/GAP
Start	334	End	646
GI	3107358	Score	574
Exons	334..646		

Seq. No.	9938	Seq. ID	OJ000209_01.0301.C25
Gene No.	21162	Strand	+
Start	200	End	2946
Name	OJ000209_01.0301.C25.o2.gp	Method	AAT/GAP
Start	785	End	1681
GI	none	Score	825
Exons	785..937, 1384..1681		

Seq. No.	9938	Seq. ID	OJ000209_01.0301.C25
Gene No.	21163	Strand	-
Start	2707	End	3184
Name	OJ000209_01.0301.C25.o3.gp	Method	AAT/GAP
Start	2707	End	3184
GI	none	Score	914
Exons	2707..3184		

Seq. No.	9938	Seq. ID	OJ000209_01.0301.C25
Gene No.	21164	Strand	-
Start	4375	End	6443
Name	OJ000209_01.0301.C25.o2.np	Method	AAT/NAP
Start	4375	End	6443
GI	3461822	Score	1056
Exons	4375..5199, 5679..6443		
GI Descrip.	(AC004138) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	9938	Seq. ID	OJ000209_01.0301.C25
Gene No.	21165	Strand	-
Start	6393	End	6799
Name	OJ000209_01.0301.C25.o4.tm	Method	TBLASTX:Maize
Start	587	End	2954
GI	none	Score	68
Exons	587..628, 587..682, 677..700, 830..871, 1381..1491, 1381..1512, 1400..1513, 1518..1619, 1519..1620, 1533..1736, 1632..1673, 1678..1758, 1690..1731, 1747..1824, 1748..1822, 2221..2373, 2221..2406, 2496..2522, 2597..2689, 2710..2940, 2751..2954, 2751..2942		

Seq. No.	9938	Seq. ID	OJ000209_01.0301.C25

Gene No.	21165	Strand	-
Start	6393	End	6799
Name	OJ000209_01.0301.C25.o2.tw	Method	TBLASTX:Wheat
Start	2232	End	2820
GI	none	Score	172
Exons	2232..2360, 2233..2376, 2244..2387, 2257..2520, 2267..2533, 2496..2534, 2569..2685, 2689..2820		

Seq. No.	9938	Seq. ID	OJ000209_01.0301.C25
Gene No.	21165	Strand	-
Start	6393	End	6799
Name	OJ000209_01.0301.C25.o1.tc	Method	TBLASTX:Cress
Start	4360	End	4905
GI	none	Score	120
Exons	4360..4620, 4371..4523, 4372..4905		

Seq. No.	9938	Seq. ID	OJ000209_01.0301.C25
Gene No.	21165	Strand	-
Start	6393	End	6799
Name	OJ000209_01.0301.C25.o1.ts	Method	TBLASTX:Soybean
Start	4372	End	4740
GI	none	Score	129
Exons	4372..4740, 4373..4582, 4575..4646		

Seq. No.	9938	Seq. ID	OJ000209_01.0301.C25
Gene No.	21165	Strand	-
Start	6393	End	6799
Name	OJ000209_01.0301.C25.o2.tm	Method	TBLASTX:Maize
Start	4372	End	4782
GI	none	Score	48
Exons	4372..4782, 4478..4519, 4541..4774		

Seq. No.	9938	Seq. ID	OJ000209_01.0301.C25
Gene No.	21165	Strand	-
Start	6393	End	6799
Name	OJ000209_01.0301.C25.o2.ts	Method	TBLASTX:Soybean
Start	4741	End	5190
GI	none	Score	83
Exons	4741..5121, 5101..5190		

Seq. No.	9938	Seq. ID	OJ000209_01.0301.C25
Gene No.	21165	Strand	-
Start	6393	End	6799
Name	OJ000209_01.0301.C25.o1.tm	Method	TBLASTX:Maize
Start	4877	End	5134
GI	none	Score	294
Exons	4877..5134, 4877..5122, 4879..5133		

Seq. No.	9938	Seq. ID	OJ000209_01.0301.C25
Gene No.	21165	Strand	-
Start	6393	End	6799
Name	OJ000209_01.0301.C25.o1.tw	Method	TBLASTX:Wheat
Start	4996	End	6281
GI	none	Score	60
Exons	4996..5217, 5101..5199, 5108..5194, 5673..6017, 5680..6000, 5907..6080, 5911..6084, 6090..6281		

Seq. No.	9938	Seq. ID	OJ000209_01.0301.C25
Gene No.	21165	Strand	-
Start	6393	End	6799
Name	OJ000209_01.0301.C25.o2.tc	Method	TBLASTX:Cress
Start	5019	End	6329
GI	none	Score	75
Exons	5019..5099, 5107..5199, 5117..5200, 5683..6081, 5685..6080, 5691..5807, 5691..5972, 5691..5816, 5925..5993, 6084..6329, 6084..6308		

Seq. No.	9938	Seq. ID	OJ000209_01.0301.C25
Gene No.	21165	Strand	-
Start	6393	End	6799
Name	OJ000209_01.0301.C25.o3.tm	Method	TBLASTX:Maize
Start	5673	End	6302
GI	none	Score	77
Exons	5673..5849, 5691..5885, 5692..5829, 5739..5786, 5755..6117, 5763..6083, 5982..6068, 6096..6302, 6096..6191		

Seq. No.	9938	Seq. ID	OJ000209_01.0301.C25
Gene No.	21165	Strand	-
Start	6393	End	6799
Name	OJ000209_01.0301.C25.o3.ts	Method	TBLASTX:Soybean
Start	5673	End	6278
GI	none	Score	77
Exons	5673..5777, 5706..5843, 5709..5858, 5713..5853, 5868..6080, 6087..6164, 6177..6278		

Seq. No.	9938	Seq. ID	OJ000209_01.0301.C25
Gene No.	21165	Strand	-
Start	6393	End	6799
Name	OJ000209_01.0301.C25.o4.gp	Method	AAT/GAP
Start	6393	End	6799
GI	none	Score	733
Exons	6393..6799		

Seq. No.	9939	Seq. ID	OJ000209_01.0301.C27
Gene No.	21166	Strand	+
Start	315	End	668
Name	OJ000209_01.0301.C27.o1.gs	Method	GENSCAN
Start	315	End	535
GI	none	Score	.53
Exons	315..535		

Seq. No.	9939	Seq. ID	OJ000209_01.0301.C27
Gene No.	21166	Strand	+
Start	315	End	668
Name	OJ000209_01.0301.C27.o1.np	Method	AAT/NAP
Start	315	End	668
GI	3935148	Score	74
Exons	315..565, 635..668		
GI Descrip.	(AC005106) T25N20.12 [Arabidopsis thaliana]		

Seq. No.	9940	Seq. ID	OJ990530_44.9819.C1
Gene No.	21167	Strand	+
Start	4965	End	18098
Name	OJ990530_44.9819.C1.o2.gs	Method	GENSCAN

Start	4965	End	18098
GI	none	Score	.46
Exons	4965..5177, 5310..5418, 5545..5609, 5713..5751, 5878..5974, 6071..6167, 6216..6415, 6719..6746, 6992..7061, 7176..7244, 7332..7399, 7493..7541, 7751..7882, 7949..8223, 8513..8577, 8709..9234, 9392..9430, 12963..13090, 13741..13903, 15614..15952, 16585..16630, 18069..18098		

Seq. No.	9940	Seq. ID	OJ990530_44.9819.C1
Gene No.	21167	Strand	+
Start	4965	End	18098
Name	OJ990530_44.9819.C1.o2.gp	Method	AAT/GAP
Start	7872	End	8267
GI	LIB3434-008-P1-K1-A5	Score	740
Exons	7872..8267		
GI Descrip.	'4102968/gb|AF019212|AF019212 4.0e-66 Oryza sativa subsp. indica 18 kDa oleosin (ole18) gene, complete cds'		

Seq. No.	9940	Seq. ID	OJ990530_44.9819.C1
Gene No.	21167	Strand	+
Start	4965	End	18098
Name	OJ990530_44.9819.C1.o3.gp	Method	AAT/GAP
Start	8664	End	9606
GI	1009_1.R1084	Score	1849
Exons	8664..9606		
GI Descrip.	'3334279/sp|Q40646|OLE2_ORYSA 2.0e-25 OLEOSIN 18 KD (OSE721) >gi_1171354 (U43931) 18 kDa oleosin [Oryza sativa] >gi_4102969 (AF019212) 18 kDa oleosin [Oryza sativa subsp. indica]'		

Seq. No.	9940	Seq. ID	OJ990530_44.9819.C1
Gene No.	21167	Strand	+
Start	4965	End	18098
Name	OJ990530_44.9819.C1.o2.np	Method	AAT/NAP
Start	8720	End	9235
GI	3334279	Score	831
Exons	8720..9235		
GI Descrip.	OLEOSIN 18 KD (OSE721) gi|1171354 (U43931) 18 kDa oleosin [Oryza sativa] gi|4102969 (AF019212) 18 kDa oleosin [Oryza sativa subsp. indica]		

Seq. No.	9940	Seq. ID	OJ990530_44.9819.C1
Gene No.	21167	Strand	+
Start	4965	End	18098
Name	OJ990530_44.9819.C1.o3.np	Method	AAT/NAP
Start	12544	End	16124
GI	2832683	Score	963
Exons	12544..12599, 13684..13903, 15614..16124		
GI Descrip.	(AL021712) putative protein [Arabidopsis thaliana]		

Seq. No.	9940	Seq. ID	OJ990530_44.9819.C1
Gene No.	21167	Strand	+
Start	4965	End	18098
Name	OJ990530_44.9819.C1.o4.gp	Method	AAT/GAP
Start	12646	End	16475
GI	21315_1.R1084	Score	2547
Exons	12646..12749, 13545..13903, 15614..16475		
GI Descrip.	'2832683/emb|CAA16783.1| 1.0e-102 (AL021712) putative protein		

[Arabidopsis thaliana]'

Seq. No.	9940	Seq. ID	OJ990530_44.9819.C1
Gene No.	21168	Strand	+
Start	27156	End	29141
Name	OJ990530_44.9819.C1.o5.gs	Method	GENSCAN
Start	27156	End	29141
GI	none	Score	.55
Exons	27156..27236, 27313..27382, 27583..27981, 29041..29141		

Seq. No.	9940	Seq. ID	OJ990530_44.9819.C1
Gene No.	21169	Strand	+
Start	30117	End	30355
Name	OJ990530_44.9819.C1.o8.gp	Method	AAT/GAP
Start	30117	End	30355
GI	none	Score	388
Exons	30117..30355		

Seq. No.	9940	Seq. ID	OJ990530_44.9819.C1
Gene No.	21170	Strand	+
Start	35051	End	42330
Name	OJ990530_44.9819.C1.o7.np	Method	AAT/NAP
Start	35051	End	41757
GI	3025299	Score	1405
Exons	35051..35122, 36723..36897, 37015..37140, 37394..37489, 37633..37733, 38860..38896, 39244..39462, 39544..39655, 40076..40167, 40253..40432, 41035..41148, 41560..41757		
GI Descrip.	HYPOTHETICAL 62.3 KD PROTEIN T29M21.25 gi|2088660|gb|AAB95294.1| (AF002109) putative ABC transporter [Arabidopsis thaliana]		

Seq. No.	9940	Seq. ID	OJ990530_44.9819.C1
Gene No.	21170	Strand	+
Start	35051	End	42330
Name	OJ990530_44.9819.C1.o7.gs	Method	GENSCAN
Start	36583	End	42330
GI	none	Score	.82
Exons	36583..36960, 37015..37140, 37633..37733, 38860..38896, 39244..39462, 40253..40432, 41035..41148, 41451..41559, 42236..42330		

Seq. No.	9940	Seq. ID	OJ990530_44.9819.C1
Gene No.	21170	Strand	+
Start	35051	End	42330
Name	OJ990530_44.9819.C1.o11.gp	Method	AAT/GAP
Start	41030	End	41873
GI	2431222	Score	780
Exons	41030..41148, 41560..41873		
GI Descrip.	3025299/sp|O04212|YT25_ARATH 3.0e-29 HYPOTHETICAL 62.3 KD PROTEIN T29M21.25 >gi_2088660 (AF002109) ABC1 isolog [Arabidopsis thaliana] >gi_4895258_gb_AAD32842.1_AC007658_1 (AC007658) putative ABC1 protein [Arabidopsis thaliana]		

Seq. No.	9940	Seq. ID	OJ990530_44.9819.C1
Gene No.	21170	Strand	+
Start	35051	End	42330
Name	OJ990530_44.9819.C1.o12.gp	Method	AAT/GAP
Start	41926	End	42196

GI	3762197	Score	507
Exons	41926..42196		

Seq. No.	9940	Seq. ID	OJ990530_44.9819.C1
Gene No.	21171	Strand	+
Start	57234	End	59962
Name	OJ990530_44.9819.C1.o10.gs	Method	GENSCAN
Start	57234	End	59962
GI	none	Score	.42
Exons	57234..57566, 57640..57731, 57756..57849, 57942..58152, 58261..58343, 58506..58741, 58774..59000, 59505..59962		

Seq. No.	9940	Seq. ID	OJ990530_44.9819.C1
Gene No.	21172	Strand	+
Start	60037	End	63075
Name	OJ990530_44.9819.C1.o10.np	Method	AAT/NAP
Start	60010	End	63075
GI	5902445	Score	2327
Exons	60010..63075		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	9940	Seq. ID	OJ990530_44.9819.C1
Gene No.	21172	Strand	+
Start	60037	End	63075
Name	OJ990530_44.9819.C1.o11.gs	Method	GENSCAN
Start	60037	End	62451
GI	none	Score	.85
Exons	60037..61201, 61295..61830, 61879..62451		

Seq. No.	9940	Seq. ID	OJ990530_44.9819.C1
Gene No.	21173	Strand	-
Start	1	End	2068
Name	OJ990530_44.9819.C1.o1.np	Method	AAT/NAP
Start	1	End	1912
GI	1679794	Score	294
Exons	1..103, 320..445, 527..646, 1364..1492, 1809..1912		
GI Descrip.	(U77627) Allele: hi2 [Danio rerio]		

Seq. No.	9940	Seq. ID	OJ990530_44.9819.C1
Gene No.	21173	Strand	-
Start	1	End	2068
Name	OJ990530_44.9819.C1.o1.gp	Method	AAT/GAP
Start	2	End	2068
GI	42478_1.R1084	Score	1098
Exons	2..102, 320..445, 527..646, 1364..1492, 1809..1894, 1991..2068		
GI Descrip.	'3080524/emb|CAA18653| 7.0e-39 (AL022599) hypothetical protein [Schizosaccharomyces pombe]'		

Seq. No.	9940	Seq. ID	OJ990530_44.9819.C1
Gene No.	21173	Strand	-
Start	1	End	2068
Name	OJ990530_44.9819.C1.o1.gs	Method	GENSCAN
Start	320	End	2014
GI	none	Score	.98
Exons	320..445, 527..646, 1364..1492, 1809..1894, 1991..2014		

Seq. No.	9940	Seq. ID	OJ990530_44.9819.C1

Gene No.	21174	Strand	-
Start	14732	End	18543
Name	OJ990530_44.9819.C1.o4.np	Method	AAT/NAP
Start	14732	End	18543
GI	130997	Score	84
Exons	14732..14779, 17109..17190, 17255..17431, 17524..17613, 18450..18543		
GI Descrip.	REPETITIVE PROLINE-RICH CELL WALL PROTEIN 1 PRECURSOR gi|81809|pir||A29324 proline-rich protein precursor - soybean gi|170049 (J02746) proline-rich protein [Glycine max]		

Seq. No.	9940	Seq. ID	OJ990530_44.9819.C1
Gene No.	21175	Strand	-
Start	19902	End	22959
Name	OJ990530_44.9819.C1.o5.gp	Method	AAT/GAP
Start	19311	End	20344
GI	18382_1.R1084	Score	1978
Exons	19311..20344		
GI Descrip.	'1871192 2.0e-14 (U90439) Cys3His zinc finger protein isolog [Arabidopsis thaliana]'		

Seq. No.	9940	Seq. ID	OJ990530_44.9819.C1
Gene No.	21175	Strand	-
Start	19902	End	22959
Name	OJ990530_44.9819.C1.o3.gs	Method	GENSCAN
Start	19902	End	22151
GI	none	Score	.97
Exons	19902..22151		

Seq. No.	9940	Seq. ID	OJ990530_44.9819.C1
Gene No.	21175	Strand	-
Start	19902	End	22959
Name	OJ990530_44.9819.C1.o5.np	Method	AAT/NAP
Start	19908	End	22959
GI	1871192	Score	1659
Exons	19908..19991, 20025..20433, 20473..22028, 22824..22959		
GI Descrip.	(U90439) putative CCCH-type zinc finger protein [Arabidopsis thaliana]		

Seq. No.	9940	Seq. ID	OJ990530_44.9819.C1
Gene No.	21175	Strand	-
Start	19902	End	22959
Name	OJ990530_44.9819.C1.o6.gp	Method	AAT/GAP
Start	20504	End	20883
GI	2310056	Score	717
Exons	20504..20883		
GI Descrip.	1871192 2.0e-14 (U90439) Cys3His zinc finger protein isolog [Arabidopsis thaliana]		

Seq. No.	9940	Seq. ID	OJ990530_44.9819.C1
Gene No.	21175	Strand	-
Start	19902	End	22959
Name	OJ990530_44.9819.C1.o7.gp	Method	AAT/GAP
Start	21104	End	22052
GI	30799_1.R1084	Score	1874
Exons	21104..22052		
GI Descrip.	'1871192 1.0e-89 (U90439) Cys3His zinc finger protein isolog		

[Arabidopsis thaliana]'

Seq. No.	9940	Seq. ID	OJ990530_44.9819.C1
Gene No.	21176	Strand	-
Start	30411	End	34487
Name	OJ990530_44.9819.C1.o9.gp	Method	AAT/GAP
Start	30340	End	30690
GI	LIB3433-051-P1-K1-B3	Score	392
Exons	30340..30495, 30635..30690		
GI Descrip.	'4895260/gb|AAD32844.1|AC007658_3 9.0e-16 (AC007658) thioredoxin-like protein [Arabidopsis thaliana]'		

Seq. No.	9940	Seq. ID	OJ990530_44.9819.C1
Gene No.	21176	Strand	-
Start	30411	End	34487
Name	OJ990530_44.9819.C1.o6.gs	Method	GENSCAN
Start	30411	End	34487
GI	none	Score	.74
Exons	30411..30495, 30635..30690, 30769..30896, 31278..31368, 31886..31913, 33084..33127, 33262..33531, 34386..34487		

Seq. No.	9940	Seq. ID	OJ990530_44.9819.C1
Gene No.	21176	Strand	-
Start	30411	End	34487
Name	OJ990530_44.9819.C1.o6.np	Method	AAT/NAP
Start	30414	End	33357
GI	4895260	Score	414
Exons	30414..30495, 30635..30690, 30769..30877, 33084..33127, 33262..33357		
GI Descrip.	(AC007658) unknown protein [Arabidopsis thaliana]		

Seq. No.	9940	Seq. ID	OJ990530_44.9819.C1
Gene No.	21176	Strand	-
Start	30411	End	34487
Name	OJ990530_44.9819.C1.o10.gp	Method	AAT/GAP
Start	33058	End	33574
GI	17868_2.R1084	Score	654
Exons	33058..33127, 33262..33574		
GI Descrip.	'3025299/sp|O04212|YT25_ARATH 3.0e-29 HYPOTHETICAL 62.3 KD PROTEIN T29M21.25 >gi_2088660 (AF002109) ABC1 isolog [Arabidopsis thaliana] >gi_4895258_gb_AAD32842.1_AC007658_1 (AC007658) putative ABC1 protein [Arabidopsis thaliana]'		

Seq. No.	9940	Seq. ID	OJ990530_44.9819.C1
Gene No.	21177	Strand	-
Start	41607	End	47720
Name	OJ990530_44.9819.C1.o8.np	Method	AAT/NAP
Start	41607	End	43429
GI	1418325	Score	88
Exons	41607..41753, 42741..42836, 43185..43429		
GI Descrip.	(X98674) zinc finger protein [Arabidopsis thaliana] gi|1418337|emb|CAA67231| (X98673) zinc finger protein [Arabidopsis thaliana]		

Seq. No.	9940	Seq. ID	OJ990530_44.9819.C1
Gene No.	21177	Strand	-
Start	41607	End	47720

Name	OJ990530_44.9819.C1.o8.gs	Method	GENSCAN
Start	42621	End	47720
GI	none	Score	.83
Exons	42621..44161, 44908..45075, 45861..46113, 46206..46339, 46409..47720		

Seq. No.	9940	Seq. ID	OJ990530_44.9819.C1
Gene No.	21178	Strand	-
Start	49537	End	55017
Name	OJ990530_44.9819.C1.o9.np	Method	AAT/NAP
Start	49537	End	55017
GI	5441880	Score	2687
Exons	49537..49748, 50052..50299, 50538..50799, 50904..51202, 51782..52115, 52224..52363, 52963..53292, 53551..53579, 54024..55017		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	9940	Seq. ID	OJ990530_44.9819.C1
Gene No.	21178	Strand	-
Start	49537	End	55017
Name	OJ990530_44.9819.C1.o13.gp	Method	AAT/GAP
Start	49858	End	50290
GI	LIB3433-020-P1-K1-A6	Score	688
Exons	49858..50290		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 2.0e-35 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	9940	Seq. ID	OJ990530_44.9819.C1
Gene No.	21179	Strand	-
Start	63445	End	68913
Name	OJ990530_44.9819.C1.o12.gs	Method	GENSCAN
Start	63445	End	68913
GI	none	Score	.5
Exons	63445..63492, 64082..64171, 64470..65207, 65438..65977, 66028..66190, 66204..66253, 66363..66902, 67074..67161, 68804..68913		

Seq. No.	9940	Seq. ID	OJ990530_44.9819.C1
Gene No.	21180	Strand	-
Start	70559	End	76817
Name	OJ990530_44.9819.C1.o10.tm	Method	TBLASTX:Maize
Start	31	End	1894
GI	none	Score	82
Exons	31..105, 34..105, 38..109, 172..252, 318..443, 318..443, 319..447, 320..448, 502..690, 523..663, 1359..1493, 1360..1494, 1363..1494, 1364..1498, 1794..1865, 1808..1894		

Seq. No.	9940	Seq. ID	OJ990530_44.9819.C1
Gene No.	21180	Strand	-
Start	70559	End	76817
Name	OJ990530_44.9819.C1.o7.tc	Method	TBLASTX:Cress
Start	1363	End	1894
GI	none	Score	131
Exons	1363..1488, 1364..1489, 1808..1894		

Seq. No.	9940	Seq. ID	OJ990530_44.9819.C1
Gene No.	21180	Strand	-
Start	70559	End	76817
Name	OJ990530_44.9819.C1.o7.tw	Method	TBLASTX:Wheat
Start	5718	End	6201
GI	none	Score	51
Exons	5718..5756, 5722..5754, 5725..5760, 5877..5972, 5878..5973, 5880..6008, 6054..6170, 6070..6168, 6070..6201, 6072..6170, 6077..6172		

Seq. No.	9940	Seq. ID	OJ990530_44.9819.C1
Gene No.	21180	Strand	-
Start	70559	End	76817
Name	OJ990530_44.9819.C1.o5.ts	Method	TBLASTX:Soybean
Start	6975	End	7414
GI	none	Score	99
Exons	6975..7061, 6977..7057, 7170..7247, 7170..7244, 7328..7414, 7332..7400		

Seq. No.	9940	Seq. ID	OJ990530_44.9819.C1
Gene No.	21180	Strand	-
Start	70559	End	76817
Name	OJ990530_44.9819.C1.o9.tm	Method	TBLASTX:Maize
Start	8771	End	9112
GI	none	Score	100
Exons	8771..8851, 8773..9090, 8921..9097, 9032..9112		

Seq. No.	9940	Seq. ID	OJ990530_44.9819.C1
Gene No.	21180	Strand	-
Start	70559	End	76817
Name	OJ990530_44.9819.C1.o1.tm	Method	TBLASTX:Maize
Start	13630	End	16097
GI	none	Score	302
Exons	13630..13893, 13634..13894, 13640..13897, 13647..13898, 15552..16097, 15614..16093		

Seq. No.	9940	Seq. ID	OJ990530_44.9819.C1
Gene No.	21180	Strand	-
Start	70559	End	76817
Name	OJ990530_44.9819.C1.o2.ts	Method	TBLASTX:Soybean
Start	13640	End	15884
GI	none	Score	106
Exons	13640..13891, 13643..13903, 13662..13904, 13698..13907, 15552..15884, 15616..15753, 15618..15875, 15779..15880		

Seq. No.	9940	Seq. ID	OJ990530_44.9819.C1
Gene No.	21180	Strand	-
Start	70559	End	76817
Name	OJ990530_44.9819.C1.o6.tw	Method	TBLASTX:Wheat
Start	13646	End	13880
GI	none	Score	302
Exons	13646..13879, 13647..13880		

Seq. No.	9940	Seq. ID	OJ990530_44.9819.C1
Gene No.	21180	Strand	-
Start	70559	End	76817
Name	OJ990530_44.9819.C1.o5.tc	Method	TBLASTX:Cress

Start	13652	End	13895
GI	none	Score	154
Exons	13652..13888, 13662..13895, 13664..13894		

Seq. No.	9940	Seq. ID	OJ990530_44.9819.C1
Gene No.	21180	Strand	-
Start	70559	End	76817
Name	OJ990530_44.9819.C1.o2.tc	Method	TBLASTX:Cress
Start	15618	End	15878
GI	none	Score	387
Exons	15618..15878, 15618..15836, 15779..15874		

Seq. No.	9940	Seq. ID	OJ990530_44.9819.C1
Gene No.	21180	Strand	-
Start	70559	End	76817
Name	OJ990530_44.9819.C1.o4.tc	Method	TBLASTX:Cress
Start	15879	End	16131
GI	none	Score	316
Exons	15879..16118, 15881..16117, 15886..16131		

Seq. No.	9940	Seq. ID	OJ990530_44.9819.C1
Gene No.	21180	Strand	-
Start	70559	End	76817
Name	OJ990530_44.9819.C1.o14.tm	Method	TBLASTX:Maize
Start	19372	End	19801
GI	none	Score	36
Exons	19372..19401, 19372..19404, 19398..19442, 19399..19443, 19493..19627, 19510..19623, 19648..19800, 19649..19801		

Seq. No.	9940	Seq. ID	OJ990530_44.9819.C1
Gene No.	21180	Strand	-
Start	70559	End	76817
Name	OJ990530_44.9819.C1.o9.tw	Method	TBLASTX:Wheat
Start	19760	End	20121
GI	none	Score	71
Exons	19760..19804, 19765..19812, 19765..19812, 19805..19831, 19806..19835, 19884..20096, 19887..20096, 19888..20097, 20055..20120, 20058..20120, 20059..20121, 20062..20121		

Seq. No.	9940	Seq. ID	OJ990530_44.9819.C1
Gene No.	21180	Strand	-
Start	70559	End	76817
Name	OJ990530_44.9819.C1.o2.tm	Method	TBLASTX:Maize
Start	19853	End	20505
GI	none	Score	155
Exons	19853..20011, 19866..20033, 19875..20012, 19879..20034, 20013..20216, 20015..20272, 20081..20272, 20270..20488, 20273..20350, 20278..20505, 20280..20504, 20290..20505		

Seq. No.	9940	Seq. ID	OJ990530_44.9819.C1
Gene No.	21180	Strand	-
Start	70559	End	76817
Name	OJ990530_44.9819.C1.o1.ts	Method	TBLASTX:Soybean
Start	19926	End	21414
GI	none	Score	35
Exons	19926..19967, 19972..20013, 20088..20183, 20089..20136, 20163..20213, 20203..20244, 20292..20453, 20326..20346,		

20335..20454, 20482..20679, 20565..20711, 20580..20684,
20715..20924, 20736..20867, 20776..20946, 20815..20937,
20928..20963, 21006..21413, 21010..21414

Seq. No.	9940	Seq. ID	OJ990530_44.9819.C1
Gene No.	21180	Strand	-
Start	70559	End	76817
Name	OJ990530_44.9819.C1.o4.tm	Method	TBLASTX:Maize
Start	20569	End	21051
GI	none	Score	593
Exons	20569..21051, 20571..21050		

Seq. No.	9940	Seq. ID	OJ990530_44.9819.C1
Gene No.	21180	Strand	-
Start	70559	End	76817
Name	OJ990530_44.9819.C1.o1.tc	Method	TBLASTX:Cress
Start	20878	End	21363
GI	none	Score	56
Exons	20878..20949, 20913..21359, 21010..21360, 21025..21363		

Seq. No.	9940	Seq. ID	OJ990530_44.9819.C1
Gene No.	21180	Strand	-
Start	70559	End	76817
Name	OJ990530_44.9819.C1.o1.tw	Method	TBLASTX:Wheat
Start	21024	End	21416
GI	none	Score	140
Exons	21024..21194, 21025..21192, 21201..21416, 21208..21366		

Seq. No.	9940	Seq. ID	OJ990530_44.9819.C1
Gene No.	21180	Strand	-
Start	70559	End	76817
Name	OJ990530_44.9819.C1.o16.tm	Method	TBLASTX:Maize
Start	21051	End	21167
GI	none	Score	119
Exons	21051..21167, 21052..21162		

Seq. No.	9940	Seq. ID	OJ990530_44.9819.C1
Gene No.	21180	Strand	-
Start	70559	End	76817
Name	OJ990530_44.9819.C1.o3.tm	Method	TBLASTX:Maize
Start	21172	End	21543
GI	none	Score	518
Exons	21172..21543, 21174..21542		

Seq. No.	9940	Seq. ID	OJ990530_44.9819.C1
Gene No.	21180	Strand	-
Start	70559	End	76817
Name	OJ990530_44.9819.C1.o6.tc	Method	TBLASTX:Cress
Start	21471	End	21885
GI	none	Score	36
Exons	21471..21557, 21585..21881, 21625..21660, 21733..21885		

Seq. No.	9940	Seq. ID	OJ990530_44.9819.C1
Gene No.	21180	Strand	-
Start	70559	End	76817
Name	OJ990530_44.9819.C1.o12.tm	Method	TBLASTX:Maize
Start	30385	End	30864

GI	none	Score	95
Exons	30385..30498, 30387..30509, 30632..30691, 30633..30683, 30634..30690, 30767..30853, 30768..30854, 30769..30864, 30769..30855		

Seq. No.	9940	Seq. ID	OJ990530_44.9819.C1
Gene No.	21180	Strand	-
Start	70559	End	76817
Name	OJ990530_44.9819.C1.o4.ts	Method	TBLASTX:Soybean
Start	30405	End	33358
GI	none	Score	68
Exons	30405..30482, 30600..30689, 30632..30709, 30634..30690, 30764..30877, 30769..30876, 33083..33130, 33085..33129, 33154..33195, 33257..33358, 33262..33357		

Seq. No.	9940	Seq. ID	OJ990530_44.9819.C1
Gene No.	21180	Strand	-
Start	70559	End	76817
Name	OJ990530_44.9819.C1.o17.tm	Method	TBLASTX:Maize
Start	33083	End	33370
GI	none	Score	68
Exons	33083..33151, 33084..33152, 33257..33370, 33262..33369		

Seq. No.	9940	Seq. ID	OJ990530_44.9819.C1
Gene No.	21180	Strand	-
Start	70559	End	76817
Name	OJ990530_44.9819.C1.o3.tc	Method	TBLASTX:Cress
Start	36652	End	37067
GI	none	Score	288
Exons	36652..36897, 36738..36899, 37014..37067, 37015..37065		

Seq. No.	9940	Seq. ID	OJ990530_44.9819.C1
Gene No.	21180	Strand	-
Start	70559	End	76817
Name	OJ990530_44.9819.C1.o11.tm	Method	TBLASTX:Maize
Start	39255	End	39615
GI	none	Score	251
Exons	39255..39467, 39256..39468, 39544..39615, 39544..39615		

Seq. No.	9940	Seq. ID	OJ990530_44.9819.C1
Gene No.	21180	Strand	-
Start	70559	End	76817
Name	OJ990530_44.9819.C1.o13.tm	Method	TBLASTX:Maize
Start	40120	End	41750
GI	none	Score	78
Exons	40120..40167, 40120..40167, 40250..40399, 40250..40417, 41020..41151, 41022..41150, 41559..41705, 41559..41627, 41560..41709, 41584..41703, 41694..41750		

Seq. No.	9940	Seq. ID	OJ990530_44.9819.C1
Gene No.	21180	Strand	-
Start	70559	End	76817
Name	OJ990530_44.9819.C1.o3.tw	Method	TBLASTX:Wheat
Start	53797	End	68808
GI	none	Score	73
Exons	53797..53970, 53808..53948, 53903..53971, 53995..54171, 54020..54172, 54025..54174, 68716..68808		

Seq. No.	9940	Seq. ID	OJ990530_44.9819.C1
Gene No.	21180	Strand	-
Start	70559	End	76817
Name	OJ990530_44.9819.C1.o7.tm	Method	TBLASTX:Maize
Start	53872	End	54468
GI	none	Score	177
Exons	53872..53943, 53990..54310, 54001..54468, 54350..54463		

Seq. No.	9940	Seq. ID	OJ990530_44.9819.C1
Gene No.	21180	Strand	-
Start	70559	End	76817
Name	OJ990530_44.9819.C1.o2.tw	Method	TBLASTX:Wheat
Start	55363	End	60729
GI	none	Score	466
Exons	55363..55482, 60310..60729, 60310..60726, 60513..60728		

Seq. No.	9940	Seq. ID	OJ990530_44.9819.C1
Gene No.	21180	Strand	-
Start	70559	End	76817
Name	OJ990530_44.9819.C1.o11.tw	Method	TBLASTX:Wheat
Start	59393	End	59752
GI	none	Score	74
Exons	59393..59524, 59530..59751, 59531..59752		

Seq. No.	9940	Seq. ID	OJ990530_44.9819.C1
Gene No.	21180	Strand	-
Start	70559	End	76817
Name	OJ990530_44.9819.C1.o4.tw	Method	TBLASTX:Wheat
Start	59956	End	60309
GI	none	Score	338
Exons	59956..60309, 59982..60308, 60103..60309		

Seq. No.	9940	Seq. ID	OJ990530_44.9819.C1
Gene No.	21180	Strand	-
Start	70559	End	76817
Name	OJ990530_44.9819.C1.o6.tm	Method	TBLASTX:Maize
Start	60084	End	60441
GI	none	Score	388
Exons	60084..60440, 60085..60441, 60127..60441		

Seq. No.	9940	Seq. ID	OJ990530_44.9819.C1
Gene No.	21180	Strand	-
Start	70559	End	76817
Name	OJ990530_44.9819.C1.o5.tm	Method	TBLASTX:Maize
Start	60469	End	60852
GI	none	Score	404
Exons	60469..60852, 60579..60839		

Seq. No.	9940	Seq. ID	OJ990530_44.9819.C1
Gene No.	21180	Strand	-
Start	70559	End	76817
Name	OJ990530_44.9819.C1.o3.ts	Method	TBLASTX:Soybean
Start	60619	End	60971
GI	none	Score	274
Exons	60619..60954, 60621..60764, 60879..60971		

Seq. No.	9940	Seq. ID	OJ990530_44.9819.C1
Gene No.	21180	Strand	-
Start	70559	End	76817
Name	OJ990530_44.9819.C1.o10.tw	Method	TBLASTX:Wheat
Start	60730	End	60945
GI	none	Score	212
Exons	60730..60945, 60735..60839		

Seq. No.	9940	Seq. ID	OJ990530_44.9819.C1
Gene No.	21180	Strand	-
Start	70559	End	76817
Name	OJ990530_44.9819.C1.o6.ts	Method	TBLASTX:Soybean
Start	61219	End	61581
GI	none	Score	62
Exons	61219..61317, 61357..61581, 61359..61580		

Seq. No.	9940	Seq. ID	OJ990530_44.9819.C1
Gene No.	21180	Strand	-
Start	70559	End	76817
Name	OJ990530_44.9819.C1.o5.tw	Method	TBLASTX:Wheat
Start	61221	End	61646
GI	none	Score	327
Exons	61221..61337, 61222..61644, 61395..61457, 61479..61646		

Seq. No.	9940	Seq. ID	OJ990530_44.9819.C1
Gene No.	21180	Strand	-
Start	70559	End	76817
Name	OJ990530_44.9819.C1.o15.tm	Method	TBLASTX:Maize
Start	61867	End	62121
GI	none	Score	203
Exons	61867..62121, 61962..62120		

Seq. No.	9940	Seq. ID	OJ990530_44.9819.C1
Gene No.	21180	Strand	-
Start	70559	End	76817
Name	OJ990530_44.9819.C1.o8.tw	Method	TBLASTX:Wheat
Start	61963	End	62352
GI	none	Score	237
Exons	61963..62352		

Seq. No.	9940	Seq. ID	OJ990530_44.9819.C1
Gene No.	21180	Strand	-
Start	70559	End	76817
Name	OJ990530_44.9819.C1.o8.tm	Method	TBLASTX:Maize
Start	62122	End	62484
GI	none	Score	341
Exons	62122..62484, 62214..62483		

Seq. No.	9940	Seq. ID	OJ990530_44.9819.C1
Gene No.	21180	Strand	-
Start	70559	End	76817
Name	OJ990530_44.9819.C1.o13.gs	Method	GENSCAN
Start	70559	End	75747
GI	none	Score	.67
Exons	70559..70741, 70781..71301, 71435..71494, 71741..71804, 72933..73096, 73817..74072, 74216..75095, 75104..75747		

Seq. No.	9940	Seq. ID	OJ990530_44.9819.C1
Gene No.	21180	Strand	-
Start	70559	End	76817
Name	OJ990530_44.9819.C1.o11.np	Method	AAT/NAP
Start	73492	End	76817
GI	1076802	Score	111
Exons	73492..73502, 74912..75415, 75476..75572, 76365..76589, 76747..76817		
GI Descrip.	extensin-like protein - maize gi|600118|emb|CAA84230| (Z34465) extensin-like protein [Zea mays] gi|1096557|prf||2111476A extensin-like domain [Zea mays]		

Seq. No.	9941	Seq. ID	OJ990530_44.9819.C2
Gene No.	21181	Strand	+
Start	73	End	5148
Name	OJ990530_44.9819.C2.o1.gs	Method	GENSCAN
Start	73	End	5148
GI	none	Score	.55
Exons	73..85, 1607..1632, 1656..1799, 3138..3324, 3874..4074, 4183..4428, 4657..4779, 5114..5148		

Seq. No.	9941	Seq. ID	OJ990530_44.9819.C2
Gene No.	21181	Strand	+
Start	73	End	5148
Name	OJ990530_44.9819.C2.o2.np	Method	AAT/NAP
Start	970	End	2420
GI	6498436	Score	67
Exons	970..1202, 2392..2420		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	9941	Seq. ID	OJ990530_44.9819.C2
Gene No.	21181	Strand	+
Start	73	End	5148
Name	OJ990530_44.9819.C2.o3.np	Method	AAT/NAP
Start	3185	End	4974
GI	6705984	Score	1311
Exons	3185..4974		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	9941	Seq. ID	OJ990530_44.9819.C2
Gene No.	21182	Strand	-
Start	591	End	1899
Name	OJ990530_44.9819.C2.o1.np	Method	AAT/NAP
Start	591	End	1899
GI	5777617	Score	107
Exons	591..738, 1795..1899		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	9941	Seq. ID	OJ990530_44.9819.C2
Gene No.	21183	Strand	-
Start	5669	End	11437
Name	OJ990530_44.9819.C2.o2.tm	Method	TBLASTX:Maize
Start	3246	End	3464
GI	none	Score	235
Exons	3246..3464, 3281..3463, 3291..3464		

Seq. No.	9941	Seq. ID	OJ990530_44.9819.C2

Gene No.	21183	Strand	-
Start	5669	End	11437
Name	OJ990530_44.9819.C2.o1.tw	Method	TBLASTX:Wheat
Start	3279	End	3791
GI	none	Score	483
Exons	3279..3791, 3291..3785, 3659..3790		

Seq. No.	9941	Seq. ID	OJ990530_44.9819.C2
Gene No.	21183	Strand	-
Start	5669	End	11437
Name	OJ990530_44.9819.C2.o1.ts	Method	TBLASTX:Soybean
Start	3297	End	3680
GI	none	Score	165
Exons	3297..3467, 3492..3680		

Seq. No.	9941	Seq. ID	OJ990530_44.9819.C2
Gene No.	21183	Strand	-
Start	5669	End	11437
Name	OJ990530_44.9819.C2.o2.tw	Method	TBLASTX:Wheat
Start	4197	End	4667
GI	none	Score	289
Exons	4197..4478, 4244..4453, 4266..4466, 4479..4667, 4483..4638, 4485..4655		

Seq. No.	9941	Seq. ID	OJ990530_44.9819.C2
Gene No.	21183	Strand	-
Start	5669	End	11437
Name	OJ990530_44.9819.C2.o1.tm	Method	TBLASTX:Maize
Start	4434	End	4670
GI	none	Score	269
Exons	4434..4670, 4439..4576, 4464..4664		

Seq. No.	9941	Seq. ID	OJ990530_44.9819.C2
Gene No.	21183	Strand	-
Start	5669	End	11437
Name	OJ990530_44.9819.C2.o2.ts	Method	TBLASTX:Soybean
Start	4434	End	4670
GI	none	Score	261
Exons	4434..4670, 4439..4576, 4464..4664		

Seq. No.	9941	Seq. ID	OJ990530_44.9819.C2
Gene No.	21183	Strand	-
Start	5669	End	11437
Name	OJ990530_44.9819.C2.o2.gs	Method	GENSCAN
Start	5669	End	11437
GI	none	Score	.54
Exons	5669..5844, 7064..7237, 7850..7918, 8165..8601, 8910..9061, 9841..10035, 10301..10371, 10563..10662, 10826..10856, 10954..11051, 11294..11437		

Seq. No.	9941	Seq. ID	OJ990530_44.9819.C2
Gene No.	21183	Strand	-
Start	5669	End	11437
Name	OJ990530_44.9819.C2.o4.np	Method	AAT/NAP
Start	9820	End	11416
GI	6729496	Score	467
Exons	9820..10035, 10301..10371, 10563..10662, 10826..10856,		

	10954..11051, 11294..11416		
GI Descrip.	(AL132966) putative protein [Arabidopsis thaliana]		
Seq. No.	9941	Seq. ID	OJ990530_44.9819.C2
Gene No.	21183	Strand	-
Start	5669	End	11437
Name	OJ990530_44.9819.C2.o3.tm	Method	TBLASTX:Maize
Start	9892	End	10664
GI	none	Score	125
Exons	9892..10035, 9916..10035, 10298..10372, 10298..10372, 10299..10373, 10300..10374, 10562..10663, 10574..10663, 10578..10664		
Seq. No.	9942	Seq. ID	OJ990530_44.9819.C3
Gene No.	21184	Strand	+
Start	74	End	771
Name	OJ990530_44.9819.C3.o1.gs	Method	GENSCAN
Start	74	End	771
GI	none	Score	.53
Exons	74..124, 676..771		
Seq. No.	9942	Seq. ID	OJ990530_44.9819.C3
Gene No.	21185	Strand	-
Start	1817	End	1899
Name	OJ990530_44.9819.C3.o2.gs	Method	GENSCAN
Start	1817	End	1899
GI	none	Score	.61
Exons	1817..1899		
Seq. No.	9943	Seq. ID	OJ990530_36.9819.C1
Gene No.	21186	Strand	+
Start	247	End	711
Name	OJ990530_36.9819.C1.o1.np	Method	AAT/NAP
Start	247	End	711
GI	5922623	Score	106
Exons	247..468, 636..711		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		
Seq. No.	9944	Seq. ID	OJ990530_36.9819.C3
Gene No.	21187	Strand	-
Start	1859	End	3020
Name	OJ990530_36.9819.C3.o1.gs	Method	GENSCAN
Start	1859	End	3020
GI	none	Score	.63
Exons	1859..2057, 2826..2883, 2969..3020		
Seq. No.	9945	Seq. ID	OJ990530_36.9819.C4
Gene No.	21188	Strand	-
Start	1	End	2817
Name	OJ990530_36.9819.C4.o1.np	Method	AAT/NAP
Start	1	End	2817
GI	4680203	Score	1468
Exons	1..26, 515..1872, 2769..2817		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	9945	Seq. ID	OJ990530_36.9819.C4
Gene No.	21188	Strand	-
Start	1	End	2817
Name	OJ990530_36.9819.C4.o1.gp	Method	AAT/GAP
Start	501	End	642
GI	21474_1.R1084	Score	243
Exons	501..642		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	9945	Seq. ID	OJ990530_36.9819.C4
Gene No.	21188	Strand	-
Start	1	End	2817
Name	OJ990530_36.9819.C4.o2.gp	Method	AAT/GAP
Start	656	End	1868
GI	342_1.R1084	Score	1906
Exons	656..1868		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	9945	Seq. ID	OJ990530_36.9819.C4
Gene No.	21188	Strand	-
Start	1	End	2817
Name	OJ990530_36.9819.C4.o1.tw	Method	TBLASTX:Wheat
Start	660	End	952
GI	none	Score	98
Exons	660..779, 680..778, 684..779, 772..951, 773..952		

Seq. No.	9945	Seq. ID	OJ990530_36.9819.C4
Gene No.	21188	Strand	-
Start	1	End	2817
Name	OJ990530_36.9819.C4.o1.tm	Method	TBLASTX:Maize
Start	695	End	1080
GI	none	Score	117
Exons	695..778, 772..975, 773..952, 991..1080		

Seq. No.	9945	Seq. ID	OJ990530_36.9819.C4
Gene No.	21188	Strand	-
Start	1	End	2817
Name	OJ990530_36.9819.C4.o1.gs	Method	GENSCAN
Start	760	End	1872
GI	none	Score	.93
Exons	760..1872		

Seq. No.	9945	Seq. ID	OJ990530_36.9819.C4
Gene No.	21188	Strand	-
Start	1	End	2817
Name	OJ990530_36.9819.C4.o1.tc	Method	TBLASTX:Cress
Start	772	End	1087
GI	none	Score	69
Exons	772..1080, 800..877, 935..1087		

Seq. No.	9945	Seq. ID	OJ990530_36.9819.C4
Gene No.	21188	Strand	-
Start	1	End	2817
Name	OJ990530_36.9819.C4.o1.ts	Method	TBLASTX:Soybean
Start	820	End	1249

GI	none	Score	127
Exons	820..1116, 838..1062, 1111..1173, 1166..1249, 1174..1248		

Seq. No.	9945	Seq. ID	OJ990530_36.9819.C4
Gene No.	21188	Strand	-
Start	1	End	2817
Name	OJ990530_36.9819.C4.o2.tw	Method	TBLASTX:Wheat
Start	1170	End	1521
GI	none	Score	187
Exons	1170..1421, 1180..1431, 1181..1423, 1414..1521		

Seq. No.	9945	Seq. ID	OJ990530_36.9819.C4
Gene No.	21188	Strand	-
Start	1	End	2817
Name	OJ990530_36.9819.C4.o3.gp	Method	AAT/GAP
Start	1417	End	1920
GI	2310235	Score	245
Exons	1417..1442, 1733..1920		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	9946	Seq. ID	OJ990530_36.9819.C5
Gene No.	21189	Strand	+
Start	303	End	5144
Name	OJ990530_36.9819.C5.o1.np	Method	AAT/NAP
Start	303	End	5144
GI	5042454	Score	3737
Exons	303..453, 778..885, 941..2650, 3280..3801, 4383..4440, 4666..4841, 5091..5144		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	9946	Seq. ID	OJ990530_36.9819.C5
Gene No.	21190	Strand	+
Start	6854	End	10470
Name	OJ990530_36.9819.C5.o3.gs	Method	GENSCAN
Start	6854	End	10467
GI	none	Score	.77
Exons	6854..6923, 7533..7987, 8147..8267, 8409..8505, 8621..8660, 8985..9068, 10303..10467		

Seq. No.	9946	Seq. ID	OJ990530_36.9819.C5
Gene No.	21190	Strand	+
Start	6854	End	10470
Name	OJ990530_36.9819.C5.o2.np	Method	AAT/NAP
Start	7629	End	10470
GI	5824341	Score	569
Exons	7629..7987, 8147..8270, 8409..8505, 8621..8660, 8985..9068, 10303..10470		
GI Descrip.	(AJ238846) SGP1 monomeric G-protein [Arabidopsis thaliana]		

Seq. No.	9946	Seq. ID	OJ990530_36.9819.C5
Gene No.	21191	Strand	+
Start	10476	End	10830
Name	OJ990530_36.9819.C5.o3.gp	Method	AAT/GAP
Start	10476	End	10830
GI	4716885	Score	686
Exons	10476..10830		

Seq. No.	9946	Seq. ID	OJ990530_36.9819.C5
Gene No.	21192	Strand	+
Start	12062	End	16311
Name	OJ990530_36.9819.C5.o4.gs	Method	GENSCAN
Start	12062	End	16093
GI	none	Score	.71
Exons	12062..12089, 12448..12623, 13406..13591, 13672..13723, 14415..14554, 15490..15669, 15867..15941, 16034..16093		

Seq. No.	9946	Seq. ID	OJ990530_36.9819.C5
Gene No.	21192	Strand	+
Start	12062	End	16311
Name	OJ990530_36.9819.C5.o3.np	Method	AAT/NAP
Start	15487	End	16090
GI	2500380	Score	483
Exons	15487..15669, 15867..15941, 16034..16090		
GI Descrip.	60S RIBOSOMAL PROTEIN L44 gi|2119128|pir||JC4923 ribosomal protein RL44 - upland cotton gi|1553129 (U64677) ribosomal protein L44 isoform a [Gossypium hirsutum] gi|1553131 (U64678) ribosomal protein L44 isoform b [Gossypium hirsutum]		

Seq. No.	9946	Seq. ID	OJ990530_36.9819.C5
Gene No.	21192	Strand	+
Start	12062	End	16311
Name	OJ990530_36.9819.C5.o4.gp	Method	AAT/GAP
Start	15490	End	16114
GI	381_1.R1084	Score	580
Exons	15490..15669, 15867..15941, 16034..16114		
GI Descrip.	'2500380/sp|Q96499|RL44_GOSHI 2.0e-51 60S RIBOSOMAL PROTEIN L44 >gi_2119128_pir__JC4923 ribosomal protein RL44 - upland cotton >gi_1553129 (U64677) ribosomal protein L44 isoform a [Gossypium hirsutum] >gi_1553131 (U64678) ribosomal protein L44 isoform b [Gossypium hirsutum]'		

Seq. No.	9946	Seq. ID	OJ990530_36.9819.C5
Gene No.	21192	Strand	+
Start	12062	End	16311
Name	OJ990530_36.9819.C5.o5.gp	Method	AAT/GAP
Start	15569	End	16311
GI	381_1.R1084	Score	744
Exons	15569..15669, 15867..15941, 16034..16311		
GI Descrip.	'2500380/sp|Q96499|RL44_GOSHI 2.0e-51 60S RIBOSOMAL PROTEIN L44 >gi_2119128_pir__JC4923 ribosomal protein RL44 - upland cotton >gi_1553129 (U64677) ribosomal protein L44 isoform a [Gossypium hirsutum] >gi_1553131 (U64678) ribosomal protein L44 isoform b [Gossypium hirsutum]'		

Seq. No.	9946	Seq. ID	OJ990530_36.9819.C5
Gene No.	21193	Strand	+
Start	16956	End	20678
Name	OJ990530_36.9819.C5.o2.tw	Method	TBLASTX:Wheat
Start	1613	End	2005
GI	none	Score	58
Exons	1613..1660, 1667..1765, 1672..1722, 1748..2005, 1765..1971		

Seq. No.	9946	Seq. ID	OJ990530_36.9819.C5

Gene No.	21193	Strand	+
Start	16956	End	20678
Name	OJ990530_36.9819.C5.o3.tm	Method	TBLASTX:Maize
Start	1655	End	1903
GI	none	Score	190
Exons	1655..1903		

Seq. No.	9946	Seq. ID	OJ990530_36.9819.C5
Gene No.	21193	Strand	+
Start	16956	End	20678
Name	OJ990530_36.9819.C5.o4.tm	Method	TBLASTX:Maize
Start	2507	End	2651
GI	none	Score	184
Exons	2507..2647, 2508..2651		

Seq. No.	9946	Seq. ID	OJ990530_36.9819.C5
Gene No.	21193	Strand	+
Start	16956	End	20678
Name	OJ990530_36.9819.C5.o3.tw	Method	TBLASTX:Wheat
Start	3637	End	3933
GI	none	Score	261
Exons	3637..3933, 3654..3722, 3697..3840, 3765..3929		

Seq. No.	9946	Seq. ID	OJ990530_36.9819.C5
Gene No.	21193	Strand	+
Start	16956	End	20678
Name	OJ990530_36.9819.C5.o2.ts	Method	TBLASTX:Soybean
Start	7925	End	10467
GI	none	Score	97
Exons	7925..7987, 8125..8268, 8126..8272, 8407..8523, 8408..8554, 8619..8660, 8981..9061, 8982..9104, 8984..9067, 10300..10467, 10302..10463		

Seq. No.	9946	Seq. ID	OJ990530_36.9819.C5
Gene No.	21193	Strand	+
Start	16956	End	20678
Name	OJ990530_36.9819.C5.o2.tm	Method	TBLASTX:Maize
Start	8164	End	10515
GI	none	Score	109
Exons	8164..8268, 8167..8268, 8168..8272, 8177..8272, 8404..8517, 8405..8512, 8619..8660, 8622..8666, 8982..9074, 8982..9122, 10300..10515, 10300..10470		

Seq. No.	9946	Seq. ID	OJ990530_36.9819.C5
Gene No.	21193	Strand	+
Start	16956	End	20678
Name	OJ990530_36.9819.C5.o1.ts	Method	TBLASTX:Soybean
Start	15480	End	20489
GI	none	Score	319
Exons	15480..15668, 15490..15669, 15542..15670, 15864..15953, 15866..15940, 16010..16093, 16033..16092, 19844..20038, 19860..20039, 19912..20040, 20226..20303, 20228..20320, 20228..20320, 20376..20489, 20399..20458		

Seq. No.	9946	Seq. ID	OJ990530_36.9819.C5
Gene No.	21193	Strand	+
Start	16956	End	20678

Name	OJ990530_36.9819.C5.o1.tc	Method	TBLASTX:Cress
Start	15489	End	20464
GI	none	Score	320
Exons	15489..15668, 15490..15669, 15864..15953, 15866..15940, 16010..16096, 16032..16100, 16033..16092, 19859..20038, 19860..20039, 19903..20040, 19924..20040, 20226..20303, 20228..20320, 20376..20459, 20398..20457, 20399..20464, 20399..20458		

Seq. No.	9946	Seq. ID	OJ990530_36.9819.C5
Gene No.	21193	Strand	+
Start	16956	End	20678
Name	OJ990530_36.9819.C5.o1.tw	Method	TBLASTX:Wheat
Start	15489	End	20464
GI	none	Score	326
Exons	15489..15668, 15490..15669, 15864..15953, 15866..15955, 15866..15925, 15880..15930, 16010..16096, 16032..16091, 16033..16092, 19853..20038, 19860..20039, 19912..20040, 20226..20303, 20228..20320, 20228..20320, 20376..20459, 20398..20457, 20399..20464		

Seq. No.	9946	Seq. ID	OJ990530_36.9819.C5
Gene No.	21193	Strand	+
Start	16956	End	20678
Name	OJ990530_36.9819.C5.o1.tm	Method	TBLASTX:Maize
Start	15489	End	20597
GI	none	Score	329
Exons	15489..15668, 15490..15669, 15542..15673, 15864..15953, 15866..15955, 15866..15940, 16010..16093, 16033..16095, 16033..16092, 19859..20038, 19860..20039, 19903..20040, 19912..20043, 20226..20303, 20227..20304, 20228..20320, 20228..20320, 20376..20597, 20399..20458		

Seq. No.	9946	Seq. ID	OJ990530_36.9819.C5
Gene No.	21193	Strand	+
Start	16956	End	20678
Name	OJ990530_36.9819.C5.o5.gs	Method	GENSCAN
Start	16956	End	20303
GI	none	Score	.86
Exons	16956..16978, 18214..18263, 18492..18579, 18972..19101, 19860..20039, 20229..20303		

Seq. No.	9946	Seq. ID	OJ990530_36.9819.C5
Gene No.	21193	Strand	+
Start	16956	End	20678
Name	OJ990530_36.9819.C5.o4.np	Method	AAT/NAP
Start	19857	End	20456
GI	2500380	Score	483
Exons	19857..20039, 20229..20303, 20400..20456		
GI Descrip.	60S RIBOSOMAL PROTEIN L44 gi|2119128|pir||JC4923 ribosomal protein RL44 - upland cotton gi|1553129 (U64677) ribosomal protein L44 isoform a [Gossypium hirsutum] gi|1553131 (U64678) ribosomal protein L44 isoform b [Gossypium hirsutum]		

Seq. No.	9946	Seq. ID	OJ990530_36.9819.C5
Gene No.	21193	Strand	+
Start	16956	End	20678

Name	OJ990530_36.9819.C5.o6.gp	Method	AAT/GAP
Start	19860	End	20484
GI	381_1.R1084	Score	611
Exons	19860..20039, 20229..20303, 20400..20484		
GI Descrip.	'2500380/sp|Q96499|RL44_GOSHI 2.0e-51 60S RIBOSOMAL PROTEIN L44 >gi_2119128_pir__JC4923 ribosomal protein RL44 - upland cotton >gi_1553129 (U64677) ribosomal protein L44 isoform a [Gossypium hirsutum] >gi_1553131 (U64678) ribosomal protein L44 isoform b [Gossypium hirsutum]'		

Seq. No.	9946	Seq. ID	OJ990530_36.9819.C5
Gene No.	21193	Strand	+
Start	16956	End	20678
Name	OJ990530_36.9819.C5.o7.gp	Method	AAT/GAP
Start	19931	End	20673
GI	381_1.R1084	Score	792
Exons	19931..20039, 20229..20303, 20400..20673		
GI Descrip.	'2500380/sp|Q96499|RL44_GOSHI 2.0e-51 60S RIBOSOMAL PROTEIN L44 >gi_2119128_pir__JC4923 ribosomal protein RL44 - upland cotton >gi_1553129 (U64677) ribosomal protein L44 isoform a [Gossypium hirsutum] >gi_1553131 (U64678) ribosomal protein L44 isoform b [Gossypium hirsutum]'		

Seq. No.	9946	Seq. ID	OJ990530_36.9819.C5
Gene No.	21193	Strand	+
Start	16956	End	20678
Name	OJ990530_36.9819.C5.o8.gp	Method	AAT/GAP
Start	20229	End	20678
GI	381_1.R1084	Score	580
Exons	20229..20303, 20400..20678		
GI Descrip.	'2500380/sp|Q96499|RL44_GOSHI 2.0e-51 60S RIBOSOMAL PROTEIN L44 >gi_2119128_pir__JC4923 ribosomal protein RL44 - upland cotton >gi_1553129 (U64677) ribosomal protein L44 isoform a [Gossypium hirsutum] >gi_1553131 (U64678) ribosomal protein L44 isoform b [Gossypium hirsutum]'		

Seq. No.	9947	Seq. ID	OJ990530_36.9819.C8
Gene No.	21194	Strand	-
Start	75	End	290
Name	OJ990530_36.9819.C8.o1.gs	Method	GENSCAN
Start	75	End	290
GI	none	Score	.64
Exons	75..290		

Seq. No.	9948	Seq. ID	OJ990530_36.9819.C9
Gene No.	21195	Strand	+
Start	407	End	1266
Name	OJ990530_36.9819.C9.o1.gs	Method	GENSCAN
Start	407	End	1266
GI	none	Score	.97
Exons	407..552, 673..764, 1110..1266		

Seq. No.	9948	Seq. ID	OJ990530_36.9819.C9
Gene No.	21196	Strand	+
Start	1982	End	2214
Name	OJ990530_36.9819.C9.o2.gs	Method	GENSCAN
Start	1982	End	2214

GI	none	Score	.76
Exons	1982..2131, 2182..2214		

Seq. No.	9948	Seq. ID	OJ990530_36.9819.C9
Gene No.	21197	Strand	+
Start	5182	End	8404
Name	OJ990530_36.9819.C9.o3.gs	Method	GENSCAN
Start	5182	End	8302
GI	none	Score	.88
Exons	5182..5331, 5950..6606, 6612..6951, 7228..7450, 7824..8037, 8297..8302		

Seq. No.	9948	Seq. ID	OJ990530_36.9819.C9
Gene No.	21197	Strand	+
Start	5182	End	8404
Name	OJ990530_36.9819.C9.o1.np	Method	AAT/NAP
Start	5579	End	8046
GI	2997591	Score	1261
Exons	5579..5666, 6178..6606, 6726..6951, 7228..7450, 7824..8046		
GI Descrip.	(AF020814) glucose-6-phosphate/phosphate-translocator precursor [Pisum sativum]		

Seq. No.	9948	Seq. ID	OJ990530_36.9819.C9
Gene No.	21197	Strand	+
Start	5182	End	8404
Name	OJ990530_36.9819.C9.o1.gp	Method	AAT/GAP
Start	6900	End	8404
GI	2214_1.R1084	Score	1399
Exons	6900..6951, 7228..7450, 7824..8037, 8145..8404		
GI Descrip.	'2997591 1.0e-68 (AF020814) glucose-6-phosphate/phosphate-translocator precursor [Pisum sativum]'		

Seq. No.	9948	Seq. ID	OJ990530_36.9819.C9
Gene No.	21198	Strand	+
Start	14275	End	15061
Name	OJ990530_36.9819.C9.o5.gs	Method	GENSCAN
Start	14275	End	15061
GI	none	Score	.8
Exons	14275..14594, 14680..14793, 14930..14939, 14957..15061		

Seq. No.	9948	Seq. ID	OJ990530_36.9819.C9
Gene No.	21199	Strand	-
Start	10368	End	13268
Name	OJ990530_36.9819.C9.o2.gp	Method	AAT/GAP
Start	10125	End	12188
GI	381_1.R1084	Score	1116
Exons	10125..10427, 10528..10602, 10790..10969, 12121..12188		
GI Descrip.	'2500380/sp|Q96499|RL44_GOSHI 2.0e-51 60S RIBOSOMAL PROTEIN L44 >gi_2119128_pir__JC4923 ribosomal protein RL44 - upland cotton >gi_1553129 (U64677) ribosomal protein L44 isoform a [Gossypium hirsutum] >gi_1553131 (U64678) ribosomal protein L44 isoform b [Gossypium hirsutum]'		

Seq. No.	9948	Seq. ID	OJ990530_36.9819.C9
Gene No.	21199	Strand	-
Start	10368	End	13268

Name	OJ990530_36.9819.C9.o2.np	Method	AAT/NAP
Start	10368	End	10972
GI	2815502	Score	307
Exons	10368..10433, 10528..10602, 10790..10972		
GI Descrip.	60S RIBOSOMAL PROTEIN L44 (L36A) gi|71187|pir||R6RT36 ribosomal protein L36a - rat gi|206732 (M19635) ribosomal protein L36a [Rattus norvegicus] gi|1666702 (U58105) ribosomal protein [Mus musculus] gi|1684917 (U78027) L44-like ribosomal protein [Homo sapiens] gi|1841302|dbj|BAA19210| (AB000910) ribosomal protein [Sus scrofa]		

Seq. No.	9948	Seq. ID	OJ990530_36.9819.C9
Gene No.	21199	Strand	-
Start	10368	End	13268
Name	OJ990530_36.9819.C9.o4.gs	Method	GENSCAN
Start	10368	End	13268
GI	none	Score	.86
Exons	10368..10427, 10528..10602, 10790..10969, 11406..11535, 12573..12663, 12889..12938, 13264..13268		

Seq. No.	9948	Seq. ID	OJ990530_36.9819.C9
Gene No.	21200	Strand	-
Start	16525	End	17972
Name	OJ990530_36.9819.C9.o2.tm	Method	TBLASTX:Maize
Start	4740	End	17135
GI	none	Score	90
Exons	4740..4961, 4879..4938, 5017..5109, 5017..5109, 5034..5111, 10323..10439, 10370..10429, 10514..10603, 10516..10605, 10529..10603, 10786..10917, 10790..10969, 10791..10970, 16523..16585, 16525..16608, 16526..16585, 16671..16760, 16684..16758, 16951..17082, 16955..17134, 16956..17135		

Seq. No.	9948	Seq. ID	OJ990530_36.9819.C9
Gene No.	21200	Strand	-
Start	16525	End	17972
Name	OJ990530_36.9819.C9.o2.ts	Method	TBLASTX:Soybean
Start	4848	End	17144
GI	none	Score	93
Exons	4848..4961, 4879..4938, 5017..5109, 5017..5109, 5034..5111, 10338..10439, 10370..10429, 10516..10605, 10529..10603, 10789..10917, 10790..10969, 10791..10970, 16525..16608, 16526..16585, 16671..16760, 16684..16758, 16954..17082, 16955..17134, 16956..17144		

Seq. No.	9948	Seq. ID	OJ990530_36.9819.C9
Gene No.	21200	Strand	-
Start	16525	End	17972
Name	OJ990530_36.9819.C9.o2.tc	Method	TBLASTX:Cress
Start	4873	End	17135
GI	none	Score	95
Exons	4873..4938, 4874..4939, 4878..4961, 4879..4938, 4880..4939, 5017..5109, 5034..5111, 10363..10428, 10364..10429, 10368..10433, 10370..10429, 10516..10605, 10529..10603, 10790..10969, 10791..10970, 16518..16586, 16522..16608, 16526..16585, 16671..16760, 16684..16758, 16955..17134, 16956..17135		

Seq. No.	9948	Seq. ID	OJ990530_36.9819.C9
Gene No.	21200	Strand	-
Start	16525	End	17972
Name	OJ990530_36.9819.C9.o2.tw	Method	TBLASTX:Wheat
Start	4875	End	17135
GI	none	Score	99
Exons	4875..4961, 4879..4938, 5017..5109, 5034..5111, 10365..10436, 10370..10429, 10514..10603, 10516..10605, 10529..10603, 10789..10917, 10790..10969, 10791..10970, 16512..16586, 16525..16608, 16526..16585, 16671..16760, 16684..16758, 16954..17082, 16955..17134, 16956..17135		

Seq. No.	9948	Seq. ID	OJ990530_36.9819.C9
Gene No.	21200	Strand	-
Start	16525	End	17972
Name	OJ990530_36.9819.C9.o1.tc	Method	TBLASTX:Cress
Start	6400	End	7330
GI	none	Score	332
Exons	6400..6609, 6402..6608, 6725..6955, 6726..6953, 7226..7330, 7227..7328		

Seq. No.	9948	Seq. ID	OJ990530_36.9819.C9
Gene No.	21200	Strand	-
Start	16525	End	17972
Name	OJ990530_36.9819.C9.o1.tm	Method	TBLASTX:Maize
Start	6400	End	8041
GI	none	Score	331
Exons	6400..6609, 6402..6608, 6725..6955, 6726..6953, 7226..7453, 7227..7451, 7823..7879, 7824..8036, 7825..8037, 7955..8041		

Seq. No.	9948	Seq. ID	OJ990530_36.9819.C9
Gene No.	21200	Strand	-
Start	16525	End	17972
Name	OJ990530_36.9819.C9.o1.ts	Method	TBLASTX:Soybean
Start	6400	End	8037
GI	none	Score	318
Exons	6400..6609, 6402..6608, 6725..6952, 6726..6953, 6792..6953, 7226..7456, 7227..7451, 7815..8024, 7816..8037		

Seq. No.	9948	Seq. ID	OJ990530_36.9819.C9
Gene No.	21200	Strand	-
Start	16525	End	17972
Name	OJ990530_36.9819.C9.o1.tw	Method	TBLASTX:Wheat
Start	6408	End	7276
GI	none	Score	326
Exons	6408..6608, 6409..6609, 6725..6955, 6726..6953, 7226..7276, 7229..7276		

Seq. No.	9948	Seq. ID	OJ990530_36.9819.C9
Gene No.	21200	Strand	-
Start	16525	End	17972
Name	OJ990530_36.9819.C9.o3.tc	Method	TBLASTX:Cress
Start	7816	End	8037
GI	none	Score	212
Exons	7816..8037, 7842..8036		

Seq. No.	9948	Seq. ID	OJ990530_36.9819.C9

Gene No.	21200	Strand	-
Start	16525	End	17972
Name	OJ990530_36.9819.C9.o6.gs	Method	GENSCAN
Start	16525	End	17972
GI	none	Score	.86
Exons	16525..16584, 16683..16757, 16955..17134, 17547..17663, 17970..17972		

Seq. No.	9948	Seq. ID	OJ990530_36.9819.C9
Gene No.	21200	Strand	-
Start	16525	End	17972
Name	OJ990530_36.9819.C9.o3.np	Method	AAT/NAP
Start	16528	End	17137
GI	2500380	Score	483
Exons	16528..16584, 16683..16757, 16955..17137		
GI Descrip.	60S RIBOSOMAL PROTEIN L44 gi|2119128|pir||JC4923 ribosomal protein RL44 - upland cotton gi|1553129 (U64677) ribosomal protein L44 isoform a [Gossypium hirsutum] gi|1553131 (U64678) ribosomal protein L44 isoform b [Gossypium hirsutum]		

Seq. No.	9949	Seq. ID	OJ990530_36.9819.C10
Gene No.	21201	Strand	-
Start	268	End	1783
Name	OJ990530_36.9819.C10.o2.tc	Method	TBLASTX:Cress
Start	259	End	622
GI	none	Score	67
Exons	259..348, 263..343, 407..508, 427..510, 428..508, 572..622		

Seq. No.	9949	Seq. ID	OJ990530_36.9819.C10
Gene No.	21201	Strand	-
Start	268	End	1783
Name	OJ990530_36.9819.C10.o1.tm	Method	TBLASTX:Maize
Start	263	End	1782
GI	none	Score	97
Exons	263..343, 264..344, 265..348, 268..348, 427..510, 428..508, 580..642, 581..643, 581..649, 641..745, 654..746, 864..1136, 867..1085, 868..1086, 869..1093, 1174..1275, 1175..1276, 1176..1280, 1276..1323, 1279..1323, 1280..1333, 1527..1598, 1531..1599, 1707..1778, 1722..1781, 1735..1782		

Seq. No.	9949	Seq. ID	OJ990530_36.9819.C10
Gene No.	21201	Strand	-
Start	268	End	1783
Name	OJ990530_36.9819.C10.o1.np	Method	AAT/NAP
Start	268	End	1783
GI	4490704	Score	682
Exons	268..342, 430..507, 584..745, 867..1091, 1177..1323, 1531..1597, 1723..1783		
GI Descrip.	(AL035680) putative protein [Arabidopsis thaliana]		

Seq. No.	9949	Seq. ID	OJ990530_36.9819.C10
Gene No.	21201	Strand	-
Start	268	End	1783
Name	OJ990530_36.9819.C10.o1.gs	Method	GENSCAN
Start	430	End	1779
GI	none	Score	.78
Exons	430..507, 584..745, 867..1031, 1177..1323, 1531..1597,		

1723..1779

Seq. No.	9949	Seq. ID	OJ990530_36.9819.C10
Gene No.	21201	Strand	-
Start	268	End	1783
Name	OJ990530_36.9819.C10.o1.gp	Method	AAT/GAP
Start	645	End	1285
GI	LIB3434-043-P1-K1-C7	Score	808
Exons	645..745, 867..1091, 1177..1285		
GI Descrip.	'4490704/emb|CAB38838.1| 6.0e-40 (AL035680) putative protein [Arabidopsis thaliana]'		

Seq. No.	9949	Seq. ID	OJ990530_36.9819.C10
Gene No.	21201	Strand	-
Start	268	End	1783
Name	OJ990530_36.9819.C10.o1.tc	Method	TBLASTX:Cress
Start	650	End	1233
GI	none	Score	91
Exons	650..679, 707..745, 900..1094, 901..1086, 1174..1233, 1175..1228		

Seq. No.	9950	Seq. ID	OJ990530_36.9819.C11
Gene No.	21202	Strand	+
Start	6832	End	7268
Name	OJ990530_36.9819.C11.o2.gs	Method	GENSCAN
Start	6832	End	7268
GI	none	Score	.85
Exons	6832..6900, 7176..7268		

Seq. No.	9950	Seq. ID	OJ990530_36.9819.C11
Gene No.	21203	Strand	-
Start	368	End	4181
Name	OJ990530_36.9819.C11.o1.gs	Method	GENSCAN
Start	368	End	4073
GI	none	Score	.88
Exons	368..521, 725..799, 1484..1668, 2211..2268, 2903..2997, 3610..3700, 4033..4073		

Seq. No.	9950	Seq. ID	OJ990530_36.9819.C11
Gene No.	21203	Strand	-
Start	368	End	4181
Name	OJ990530_36.9819.C11.o1.np	Method	AAT/NAP
Start	725	End	4073
GI	4490704	Score	656
Exons	725..799, 882..922, 1087..1144, 1484..1668, 2211..2268, 2903..2997, 3610..3700, 4033..4073		
GI Descrip.	(AL035680) putative protein [Arabidopsis thaliana]		

Seq. No.	9950	Seq. ID	OJ990530_36.9819.C11
Gene No.	21203	Strand	-
Start	368	End	4181
Name	OJ990530_36.9819.C11.o1.gp	Method	AAT/GAP
Start	1532	End	4181
GI	52419_1.R1084	Score	915
Exons	1532..1668, 2211..2268, 2903..2997, 3610..3700, 4033..4181		
GI Descrip.	'4490704/emb|CAB38838.1| 8.0e-59 (AL035680) putative protein [Arabidopsis thaliana]'		

Seq. No.	9950	Seq. ID	OJ990530_36.9819.C11
Gene No.	21204	Strand	-
Start	9650	End	17565
Name	OJ990530_36.9819.C11.o1.tc	Method	TBLASTX:Cress
Start	723	End	3703
GI	none	Score	35
Exons	723..800, 724..801, 855..929, 878..922, 1087..1155, 1450..1668, 1487..1666, 2203..2271, 2205..2270, 2903..3007, 2905..2997, 3608..3703, 3608..3700, 3610..3702		

Seq. No.	9950	Seq. ID	OJ990530_36.9819.C11
Gene No.	21204	Strand	-
Start	9650	End	17565
Name	OJ990530_36.9819.C11.o1.tm	Method	TBLASTX:Maize
Start	1087	End	3706
GI	none	Score	86
Exons	1087..1155, 1088..1144, 1450..1668, 1481..1669, 2199..2270, 2203..2271, 2204..2269, 2205..2270, 2903..3016, 2905..3015, 3606..3701, 3608..3703, 3608..3706		

Seq. No.	9950	Seq. ID	OJ990530_36.9819.C11
Gene No.	21204	Strand	-
Start	9650	End	17565
Name	OJ990530_36.9819.C11.o1.ts	Method	TBLASTX:Soybean
Start	1087	End	3706
GI	none	Score	93
Exons	1087..1155, 1477..1668, 1496..1669, 2199..2267, 2203..2271, 2205..2270, 2903..3007, 2905..2997, 3580..3702, 3608..3703, 3608..3706		

Seq. No.	9950	Seq. ID	OJ990530_36.9819.C11
Gene No.	21204	Strand	-
Start	9650	End	17565
Name	OJ990530_36.9819.C11.o3.gs	Method	GENSCAN
Start	9650	End	17401
GI	none	Score	.76
Exons	9650..9826, 12086..12262, 12393..12531, 12828..12860, 12939..13023, 14682..14721, 16533..16598, 16748..16813, 16973..17401		

Seq. No.	9950	Seq. ID	OJ990530_36.9819.C11
Gene No.	21204	Strand	-
Start	9650	End	17565
Name	OJ990530_36.9819.C11.o2.gp	Method	AAT/GAP
Start	16279	End	17565
GI	none	Score	1876
Exons	16279..16598, 16748..16813, 16973..17565		

Seq. No.	9951	Seq. ID	OJ990530_36.9819.C12
Gene No.	21205	Strand	+
Start	6487	End	6960
Name	OJ990530_36.9819.C12.o1.np	Method	AAT/NAP
Start	6487	End	6960
GI	2997589	Score	121
Exons	6487..6960		
GI Descrip.	(AF020813) glucose-6-phosphate/phosphate-translocator precursor [Zea mays]		

Seq. No.	9952	Seq. ID	OJ990520_31.9819.C2
Gene No.	21206	Strand	+
Start	1	End	893
Name	OJ990520_31.9819.C2.o1.np	Method	AAT/NAP
Start	1	End	893
GI	5042454	Score	162
Exons	1..156, 612..893		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	9952	Seq. ID	OJ990520_31.9819.C2
Gene No.	21206	Strand	+
Start	1	End	893
Name	OJ990520_31.9819.C2.o1.gs	Method	GENSCAN
Start	513	End	833
GI	none	Score	.63
Exons	513..622, 692..833		

Seq. No.	9953	Seq. ID	OJ990520_31.9819.C4
Gene No.	21207	Strand	+
Start	3975	End	19287
Name	OJ990520_31.9819.C4.o1.np	Method	AAT/NAP
Start	3975	End	19287
GI	2642154	Score	197
Exons	3975..4091, 8529..8706, 8829..9087, 19235..19287		
GI Descrip.	(AC003000) unknown protein [Arabidopsis thaliana] gi|3790595 (AF079186) RING-H2 finger protein RHC2a [Arabidopsis thaliana]		

Seq. No.	9953	Seq. ID	OJ990520_31.9819.C4
Gene No.	21207	Strand	+
Start	3975	End	19287
Name	OJ990520_31.9819.C4.o1.gp	Method	AAT/GAP
Start	4663	End	4750
GI	3760640	Score	96
Exons	4663..4750		
GI Descrip.	4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	9953	Seq. ID	OJ990520_31.9819.C4
Gene No.	21207	Strand	+
Start	3975	End	19287
Name	OJ990520_31.9819.C4.o3.gs	Method	GENSCAN
Start	17357	End	18301
GI	none	Score	.76
Exons	17357..18301		

Seq. No.	9953	Seq. ID	OJ990520_31.9819.C4
Gene No.	21207	Strand	+
Start	3975	End	19287
Name	OJ990520_31.9819.C4.o3.np	Method	AAT/NAP
Start	17540	End	18301
GI	99966	Score	239
Exons	17540..18301		
GI Descrip.	lectin - winged pea		

Seq. No.	9953	Seq. ID	OJ990520_31.9819.C4
Gene No.	21208	Strand	-

Start	598	End	9501
Name	OJ990520_31.9819.C4.o1.gs	Method	GENSCAN
Start	598	End	9501
GI	none	Score	.59
Exons	598..753, 1475..2396, 2566..2616, 2789..2986, 3742..4397, 5120..5269, 5380..5535, 6377..7498, 7670..7789, 8469..9035, 9394..9501		

Seq. No.	9953	Seq. ID	OJ990520_31.9819.C4
Gene No.	21208	Strand	-
Start	598	End	9501
Name	OJ990520_31.9819.C4.o2.gp	Method	AAT/GAP
Start	6917	End	7743
GI	uC-osflM202096h01b1	Score	853
Exons	6917..7298, 7448..7498, 7670..7743		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	9953	Seq. ID	OJ990520_31.9819.C4
Gene No.	21209	Strand	-
Start	10756	End	16629
Name	OJ990520_31.9819.C4.o3.gp	Method	AAT/GAP
Start	10444	End	10907
GI	2428843	Score	839
Exons	10444..10907		

Seq. No.	9953	Seq. ID	OJ990520_31.9819.C4
Gene No.	21209	Strand	-
Start	10756	End	16629
Name	OJ990520_31.9819.C4.o2.gs	Method	GENSCAN
Start	10756	End	16629
GI	none	Score	.78
Exons	10756..10929, 11031..11129, 11912..12293, 12457..12798, 13223..13310, 14515..14744, 15275..15348, 15511..15574, 15817..15947, 16609..16629		

Seq. No.	9953	Seq. ID	OJ990520_31.9819.C4
Gene No.	21209	Strand	-
Start	10756	End	16629
Name	OJ990520_31.9819.C4.o2.np	Method	AAT/NAP
Start	12501	End	12779
GI	3834319	Score	99
Exons	12501..12779		
GI Descrip.	(AC005679) Similar to gi|2244754 heat shock transcription factor HSF30 homolog from Arabidopsis thaliana chromosome 4 contig gb|Z97335. [Arabidopsis thaliana]		

Seq. No.	9953	Seq. ID	OJ990520_31.9819.C4
Gene No.	21210	Strand	-
Start	19365	End	27331
Name	OJ990520_31.9819.C4.o1.ts	Method	TBLASTX:Soybean
Start	4197	End	9089
GI	none	Score	48
Exons	4197..4226, 4278..4376, 8699..8743, 8808..8897, 8817..8909, 8897..9088, 8898..9089		

Seq. No.	9953	Seq. ID	OJ990520_31.9819.C4

Gene No.	21210	Strand	-
Start	19365	End	27331
Name	OJ990520_31.9819.C4.o1.tm	Method	TBLASTX:Maize
Start	17920	End	18148
GI	none	Score	225
Exons	17920..18138, 17921..18148		

Seq. No.	9953	Seq. ID	OJ990520_31.9819.C4
Gene No.	21210	Strand	-
Start	19365	End	27331
Name	OJ990520_31.9819.C4.o4.gs	Method	GENSCAN
Start	19365	End	27243
GI	none	Score	.6
Exons	19365..19447, 20467..20508, 21100..21327, 21451..21581, 26441..26540, 27198..27243		

Seq. No.	9953	Seq. ID	OJ990520_31.9819.C4
Gene No.	21210	Strand	-
Start	19365	End	27331
Name	OJ990520_31.9819.C4.o4.np	Method	AAT/NAP
Start	25526	End	27331
GI	1351856	Score	39
Exons	25526..25611, 25852..25907, 27301..27331		
GI Descrip.	ACONITATE HYDRATASE, CYTOPLASMIC (CITRATE HYDRO-LYASE) (ACONITASE) gi|868003|dbj|BAA06108| (D29629) aconitase [Cucurbita sp.]		

Seq. No.	9954	Seq. ID	OJ990520_31.9819.C5
Gene No.	21211	Strand	-
Start	1516	End	2085
Name	OJ990520_31.9819.C5.o1.np	Method	AAT/NAP
Start	1516	End	2085
GI	5922628	Score	288
Exons	1516..1816, 2028..2085		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016861|dbj|BAA85204.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	9954	Seq. ID	OJ990520_31.9819.C5
Gene No.	21212	Strand	-
Start	4962	End	5428
Name	OJ990520_31.9819.C5.o2.gs	Method	GENSCAN
Start	4962	End	5383
GI	none	Score	1
Exons	4962..5383		

Seq. No.	9954	Seq. ID	OJ990520_31.9819.C5
Gene No.	21212	Strand	-
Start	4962	End	5428
Name	OJ990520_31.9819.C5.o2.np	Method	AAT/NAP
Start	4965	End	5428
GI	5091610	Score	525
Exons	4965..5428		
GI Descrip.	(AC007858) 10A19I.15 [Oryza sativa]		

Seq. No.	9954	Seq. ID	OJ990520_31.9819.C5
Gene No.	21212	Strand	-

Start	4962	End	5428
Name	OJ990520_31.9819.C5.o1.tm	Method	TBLASTX:Maize
Start	4971	End	5237
GI	none	Score	93
Exons	4971..5132, 4972..5115, 4977..5132, 5112..5234, 5113..5235, 5130..5237		

Seq. No.	9955	Seq. ID	OJ990520_31.9819.C6
Gene No.	21213	Strand	-
Start	1	End	2090
Name	OJ990520_31.9819.C6.o1.np	Method	AAT/NAP
Start	1	End	279
GI	5091610	Score	351
Exons	1..279		
GI Descrip.	(AC007858) 10A19I.15 [Oryza sativa]		

Seq. No.	9955	Seq. ID	OJ990520_31.9819.C6
Gene No.	21213	Strand	-
Start	1	End	2090
Name	OJ990520_31.9819.C6.o3.tm	Method	TBLASTX:Maize
Start	4	End	258
GI	none	Score	228
Exons	4..258, 5..250, 15..251		

Seq. No.	9955	Seq. ID	OJ990520_31.9819.C6
Gene No.	21213	Strand	-
Start	1	End	2090
Name	OJ990520_31.9819.C6.o1.gs	Method	GENSCAN
Start	96	End	2090
GI	none	Score	.49
Exons	96..200, 920..1243, 1328..1553, 1641..2090		

Seq. No.	9955	Seq. ID	OJ990520_31.9819.C6
Gene No.	21213	Strand	-
Start	1	End	2090
Name	OJ990520_31.9819.C6.o1.tm	Method	TBLASTX:Maize
Start	942	End	1460
GI	none	Score	169
Exons	942..1124, 942..1130, 943..1125, 1112..1270, 1122..1271, 1126..1245, 1126..1302, 1127..1270, 1324..1458, 1325..1459, 1326..1460		

Seq. No.	9955	Seq. ID	OJ990520_31.9819.C6
Gene No.	21213	Strand	-
Start	1	End	2090
Name	OJ990520_31.9819.C6.o1.ts	Method	TBLASTX:Soybean
Start	966	End	1262
GI	none	Score	192
Exons	966..1028, 1044..1262		

Seq. No.	9955	Seq. ID	OJ990520_31.9819.C6
Gene No.	21213	Strand	-
Start	1	End	2090
Name	OJ990520_31.9819.C6.o1.tw	Method	TBLASTX:Wheat
Start	1044	End	1496
GI	none	Score	50
Exons	1044..1139, 1152..1244, 1153..1245, 1359..1496, 1364..1456		

Seq. No.	9955	Seq. ID	OJ990520_31.9819.C6
Gene No.	21213	Strand	-
Start	1	End	2090
Name	OJ990520_31.9819.C6.o1.gp	Method	AAT/GAP
Start	1079	End	1554
GI	uC-osflcyp143f05b1	Score	683
Exons	1079..1243, 1328..1554		
GI Descrip.	'4585884/gb|AAD25557.1|AC005850_14 2.0e-24 (AC005850) Hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	9955	Seq. ID	OJ990520_31.9819.C6
Gene No.	21213	Strand	-
Start	1	End	2090
Name	OJ990520_31.9819.C6.o2.tm	Method	TBLASTX:Maize
Start	1464	End	1992
GI	none	Score	89
Exons	1464..1556, 1464..1556, 1471..1557, 1613..1978, 1617..1991, 1628..1696, 1629..1880, 1630..1992		

Seq. No.	9955	Seq. ID	OJ990520_31.9819.C6
Gene No.	21213	Strand	-
Start	1	End	2090
Name	OJ990520_31.9819.C6.o2.ts	Method	TBLASTX:Soybean
Start	1731	End	1956
GI	none	Score	111
Exons	1731..1955, 1741..1956		

Seq. No.	9956	Seq. ID	OJ990520_31.9819.C7
Gene No.	21214	Strand	+
Start	1	End	316
Name	OJ990520_31.9819.C7.o1.np	Method	AAT/NAP
Start	1	End	316
GI	5734621	Score	107
Exons	1..316		
GI Descrip.	(AP000391) ESTs AU067992(C11433),AU077424(C11433) correspond to a region of the predicted gene.; Similar to ABC transporter-7 (U43892) [Oryza sativa]		

Seq. No.	9956	Seq. ID	OJ990520_31.9819.C7
Gene No.	21215	Strand	+
Start	306	End	10467
Name	OJ990520_31.9819.C7.o1.gs	Method	GENSCAN
Start	306	End	10467
GI	none	Score	.6
Exons	306..472, 1863..1982, 2671..2718, 3222..3293, 3756..3902, 4436..4502, 4615..4808, 5261..5311, 5613..5664, 9544..9743, 9934..10467		

Seq. No.	9956	Seq. ID	OJ990520_31.9819.C7
Gene No.	21215	Strand	+
Start	306	End	10467
Name	OJ990520_31.9819.C7.o2.np	Method	AAT/NAP
Start	4530	End	4908
GI	5042454	Score	340
Exons	4530..4908		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	9956	Seq. ID	OJ990520_31.9819.C7
Gene No.	21215	Strand	+
Start	306	End	10467
Name	OJ990520_31.9819.C7.o3.np	Method	AAT/NAP
Start	5819	End	9389
GI	6815109	Score	90
Exons	5819..6320, 9346..9389		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	9956	Seq. ID	OJ990520_31.9819.C7
Gene No.	21215	Strand	+
Start	306	End	10467
Name	OJ990520_31.9819.C7.o4.np	Method	AAT/NAP
Start	7885	End	10464
GI	2191149	Score	224
Exons	7885..7915, 9425..9680, 9729..9792, 9892..10464		
GI Descrip.	(AF007269) Similar to protein kinase [Arabidopsis thaliana]		

Seq. No.	9956	Seq. ID	OJ990520_31.9819.C7
Gene No.	21215	Strand	+
Start	306	End	10467
Name	OJ990520_31.9819.C7.o1.tc	Method	TBLASTX:Cress
Start	9579	End	10203
GI	none	Score	63
Exons	9579..9656, 9705..9761, 9925..10131, 9946..10059, 10150..10203		

Seq. No.	9956	Seq. ID	OJ990520_31.9819.C7
Gene No.	21215	Strand	+
Start	306	End	10467
Name	OJ990520_31.9819.C7.o1.ts	Method	TBLASTX:Soybean
Start	9910	End	10305
GI	none	Score	176
Exons	9910..10131, 10165..10236, 10240..10305		

Seq. No.	9956	Seq. ID	OJ990520_31.9819.C7
Gene No.	21215	Strand	+
Start	306	End	10467
Name	OJ990520_31.9819.C7.o1.tw	Method	TBLASTX:Wheat
Start	9913	End	10211
GI	none	Score	178
Exons	9913..10083, 9916..10131, 10167..10211, 10174..10203		

Seq. No.	9956	Seq. ID	OJ990520_31.9819.C7
Gene No.	21215	Strand	+
Start	306	End	10467
Name	OJ990520_31.9819.C7.o1.tm	Method	TBLASTX:Maize
Start	9916	End	10353
GI	none	Score	183
Exons	9916..10131, 9955..10110, 10171..10215, 10240..10353		

Seq. No.	9957	Seq. ID	OJ990520_31.9819.C8
Gene No.	21216	Strand	+
Start	531	End	1828
Name	OJ990520_31.9819.C8.o1.gs	Method	GENSCAN
Start	531	End	1828
GI	none	Score	.49

Exons	531..617, 1715..1828		
Seq. No.	9957	Seq. ID	OJ990520_31.9819.C8
Gene No.	21217	Strand	+
Start	2292	End	5274
Name	OJ990520_31.9819.C8.o2.gs	Method	GENSCAN
Start	2292	End	5274
GI	none	Score	.83
Exons	2292..2350, 2944..2968, 3700..3847, 3960..4028, 4975..5100, 5144..5274		
Seq. No.	9957	Seq. ID	OJ990520_31.9819.C8
Gene No.	21218	Strand	+
Start	9090	End	9279
Name	OJ990520_31.9819.C8.o4.gs	Method	GENSCAN
Start	9090	End	9279
GI	none	Score	.9
Exons	9090..9102, 9170..9279		
Seq. No.	9957	Seq. ID	OJ990520_31.9819.C8
Gene No.	21219	Strand	+
Start	16085	End	17164
Name	OJ990520_31.9819.C8.o7.gs	Method	GENSCAN
Start	16085	End	17164
GI	none	Score	1
Exons	16085..17164		
Seq. No.	9957	Seq. ID	OJ990520_31.9819.C8
Gene No.	21220	Strand	+
Start	19063	End	20157
Name	OJ990520_31.9819.C8.o8.gs	Method	GENSCAN
Start	19063	End	20157
GI	none	Score	.99
Exons	19063..20157		
Seq. No.	9957	Seq. ID	OJ990520_31.9819.C8
Gene No.	21221	Strand	+
Start	30644	End	34235
Name	OJ990520_31.9819.C8.o3.np	Method	AAT/NAP
Start	30644	End	34235
GI	4680203	Score	999
Exons	30644..30672, 32307..33568, 33726..34235		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		
Seq. No.	9957	Seq. ID	OJ990520_31.9819.C8
Gene No.	21222	Strand	-
Start	4731	End	12212
Name	OJ990520_31.9819.C8.o1.np	Method	AAT/NAP
Start	4731	End	12068
GI	4455212	Score	536
Exons	4731..4805, 6424..7177, 11585..12068		
GI Descrip.	(AL035440) putative NPK1-related protein kinase [Arabidopsis thaliana]		
Seq. No.	9957	Seq. ID	OJ990520_31.9819.C8
Gene No.	21222	Strand	-
Start	4731	End	12212

Name	OJ990520_31.9819.C8.o3.gs	Method	GENSCAN
Start	6108	End	7826
GI	none	Score	.71
Exons	6108..7826		

Seq. No.	9957	Seq. ID	OJ990520_31.9819.C8
Gene No.	21222	Strand	-
Start	4731	End	12212
Name	OJ990520_31.9819.C8.o5.gs	Method	GENSCAN
Start	10515	End	12212
GI	none	Score	.99
Exons	10515..12212		

Seq. No.	9957	Seq. ID	OJ990520_31.9819.C8
Gene No.	21223	Strand	-
Start	25315	End	31207
Name	OJ990520_31.9819.C8.o1.tc	Method	TBLASTX:Cress
Start	6885	End	11822
GI	none	Score	168
Exons	6885..7172, 6892..7173, 7212..7373, 7224..7352, 11277..11564, 11278..11565, 11598..11753, 11766..11822		

Seq. No.	9957	Seq. ID	OJ990520_31.9819.C8
Gene No.	21223	Strand	-
Start	25315	End	31207
Name	OJ990520_31.9819.C8.o3.ts	Method	TBLASTX:Soybean
Start	6885	End	11822
GI	none	Score	64
Exons	6885..6998, 7044..7121, 7137..7178, 7209..7430, 11272..11391, 11277..11390, 11385..11510, 11529..11570, 11598..11822		

Seq. No.	9957	Seq. ID	OJ990520_31.9819.C8
Gene No.	21223	Strand	-
Start	25315	End	31207
Name	OJ990520_31.9819.C8.o4.tm	Method	TBLASTX:Maize
Start	6954	End	11801
GI	none	Score	78
Exons	6954..7052, 6955..7017, 7027..7176, 7053..7178, 7173..7385, 7212..7367, 7360..7410, 7371..7409, 11346..11444, 11346..11444, 11347..11445, 11350..11445, 11422..11568, 11431..11487, 11445..11570, 11565..11777, 11604..11759, 11775..11801		

Seq. No.	9957	Seq. ID	OJ990520_31.9819.C8
Gene No.	21223	Strand	-
Start	25315	End	31207
Name	OJ990520_31.9819.C8.o7.tw	Method	TBLASTX:Wheat
Start	7017	End	11699
GI	none	Score	72
Exons	7017..7307, 7042..7173, 11409..11699, 11449..11565		

Seq. No.	9957	Seq. ID	OJ990520_31.9819.C8
Gene No.	21223	Strand	-
Start	25315	End	31207
Name	OJ990520_31.9819.C8.o4.tw	Method	TBLASTX:Wheat
Start	7311	End	12056
GI	none	Score	88
Exons	7311..7412, 7311..7541, 7321..7464, 7521..7616, 7524..7679,		

7531..7680, 11703..11834, 11713..11826, 11862..11951,
11863..11994, 11932..12054, 11940..12056

Seq. No.	9957	Seq. ID	OJ990520_31.9819.C8
Gene No.	21223	Strand	-
Start	25315	End	31207
Name	OJ990520_31.9819.C8.o7.tm	Method	TBLASTX:Maize
Start	7410	End	12030
GI	none	Score	42
Exons	7410..7460, 7411..7446, 7452..7634, 7453..7635, 11802..11846, 11841..11951, 11860..12027, 11914..12030, 11925..12029		

Seq. No.	9957	Seq. ID	OJ990520_31.9819.C8
Gene No.	21223	Strand	-
Start	25315	End	31207
Name	OJ990520_31.9819.C8.o2.ts	Method	TBLASTX:Soybean
Start	25300	End	25968
GI	none	Score	54
Exons	25300..25560, 25376..25546, 25582..25968, 25622..25864		

Seq. No.	9957	Seq. ID	OJ990520_31.9819.C8
Gene No.	21223	Strand	-
Start	25315	End	31207
Name	OJ990520_31.9819.C8.o2.np	Method	AAT/NAP
Start	25315	End	31207
GI	3777527	Score	2133
Exons	25315..27083, 27222..28578, 28867..28988, 31151..31207		
GI Descrip.	(AF053008) gag-pol polyprotein [Glycine max]		

Seq. No.	9957	Seq. ID	OJ990520_31.9819.C8
Gene No.	21223	Strand	-
Start	25315	End	31207
Name	OJ990520_31.9819.C8.o1.tm	Method	TBLASTX:Maize
Start	25330	End	25986
GI	none	Score	152
Exons	25330..25986, 25345..25857, 25601..25978		

Seq. No.	9957	Seq. ID	OJ990520_31.9819.C8
Gene No.	21223	Strand	-
Start	25315	End	31207
Name	OJ990520_31.9819.C8.o2.tc	Method	TBLASTX:Cress
Start	25330	End	25995
GI	none	Score	104
Exons	25330..25542, 25582..25695, 25807..25995		

Seq. No.	9957	Seq. ID	OJ990520_31.9819.C8
Gene No.	21223	Strand	-
Start	25315	End	31207
Name	OJ990520_31.9819.C8.o8.tw	Method	TBLASTX:Wheat
Start	25375	End	25695
GI	none	Score	68
Exons	25375..25566, 25375..25551, 25597..25695		

Seq. No.	9957	Seq. ID	OJ990520_31.9819.C8
Gene No.	21223	Strand	-
Start	25315	End	31207
Name	OJ990520_31.9819.C8.o5.tw	Method	TBLASTX:Wheat

Start	25732	End	26163
GI	none	Score	102
Exons	25732..25989, 26014..26163		

Seq. No.	9957	Seq. ID	OJ990520_31.9819.C8
Gene No.	21223	Strand	-
Start	25315	End	31207
Name	OJ990520_31.9819.C8.o3.tm	Method	TBLASTX:Maize
Start	26235	End	26677
GI	none	Score	124
Exons	26235..26528, 26239..26676, 26299..26649, 26303..26677		

Seq. No.	9957	Seq. ID	OJ990520_31.9819.C8
Gene No.	21223	Strand	-
Start	25315	End	31207
Name	OJ990520_31.9819.C8.o1.ts	Method	TBLASTX:Soybean
Start	26339	End	26952
GI	5509260	Score	359
Exons	26339..26863, 26344..26880, 26566..26889, 26902..26952		
GI Descrip.	-		

Seq. No.	9957	Seq. ID	OJ990520_31.9819.C8
Gene No.	21223	Strand	-
Start	25315	End	31207
Name	OJ990520_31.9819.C8.o1.tw	Method	TBLASTX:Wheat
Start	26352	End	26823
GI	none	Score	261
Exons	26352..26525, 26353..26700, 26363..26692, 26701..26730, 26734..26823, 26740..26823		

Seq. No.	9957	Seq. ID	OJ990520_31.9819.C8
Gene No.	21223	Strand	-
Start	25315	End	31207
Name	OJ990520_31.9819.C8.o5.tc	Method	TBLASTX:Cress
Start	26458	End	26730
GI	none	Score	94
Exons	26458..26730, 26459..26716		

Seq. No.	9957	Seq. ID	OJ990520_31.9819.C8
Gene No.	21223	Strand	-
Start	25315	End	31207
Name	OJ990520_31.9819.C8.o2.tm	Method	TBLASTX:Maize
Start	27247	End	27882
GI	none	Score	249
Exons	27247..27399, 27394..27816, 27395..27730, 27511..27777, 27817..27882		

Seq. No.	9957	Seq. ID	OJ990520_31.9819.C8
Gene No.	21223	Strand	-
Start	25315	End	31207
Name	OJ990520_31.9819.C8.o4.ts	Method	TBLASTX:Soybean
Start	27247	End	27708
GI	none	Score	130
Exons	27247..27375, 27397..27708, 27404..27688		

Seq. No.	9957	Seq. ID	OJ990520_31.9819.C8
Gene No.	21223	Strand	-

Start	25315	End	31207
Name	OJ990520_31.9819.C8.o4.tc	Method	TBLASTX:Cress
Start	27248	End	27690
GI	none	Score	75
Exons	27248..27385, 27253..27384, 27400..27690, 27532..27627, 27605..27682		

Seq. No.	9957	Seq. ID	OJ990520_31.9819.C8
Gene No.	21223	Strand	-
Start	25315	End	31207
Name	OJ990520_31.9819.C8.o2.tw	Method	TBLASTX:Wheat
Start	27550	End	28107
GI	none	Score	124
Exons	27550..27831, 27551..27724, 27559..27729, 27877..28107		

Seq. No.	9957	Seq. ID	OJ990520_31.9819.C8
Gene No.	21224	Strand	
Start	32719	End	33431
Name	OJ990520_31.9819.C8.o3.tc	Method	TBLASTX:Cress
Start	32719	End	33074
GI	none	Score	134
Exons	32719..32772, 32734..32922, 32763..32879, 32912..33031, 32913..33074		

Seq. No.	9957	Seq. ID	OJ990520_31.9819.C8
Gene No.	21224	Strand	
Start	32719	End	33431
Name	OJ990520_31.9819.C8.o3.tw	Method	TBLASTX:Wheat
Start	32863	End	33317
GI	none	Score	61
Exons	32863..32919, 32871..32939, 32892..33020, 32944..33009, 33021..33137, 33021..33122, 33168..33317		

Seq. No.	9957	Seq. ID	OJ990520_31.9819.C8
Gene No.	21224	Strand	
Start	32719	End	33431
Name	OJ990520_31.9819.C8.o5.tm	Method	TBLASTX:Maize
Start	32919	End	33359
GI	none	Score	210
Exons	32919..33164, 32927..33160, 33168..33359		

Seq. No.	9957	Seq. ID	OJ990520_31.9819.C8
Gene No.	21224	Strand	
Start	32719	End	33431
Name	OJ990520_31.9819.C8.o5.ts	Method	TBLASTX:Soybean
Start	33192	End	33431
GI	none	Score	190
Exons	33192..33431		

Seq. No.	9957	Seq. ID	OJ990520_31.9819.C8
Gene No.	21225	Strand	
Start	33498	End	33871
Name	OJ990520_31.9819.C8.o6.tw	Method	TBLASTX:Wheat
Start	33498	End	33871
GI	none	Score	144
Exons	33498..33590, 33499..33630, 33752..33871		

Seq. No.	9957	Seq. ID	OJ990520_31.9819.C8
Gene No.	21225	Strand	
Start	33498	End	33871
Name	OJ990520_31.9819.C8.o6.tm	Method	TBLASTX:Maize
Start	33514	End	33711
GI	none	Score	187
Exons	33514..33678, 33526..33711		

Seq. No.	9958	Seq. ID	OJ990520_33.9819.C1
Gene No.	21226	Strand	+
Start	264	End	9785
Name	OJ990520_33.9819.C1.o1.gs	Method	GENSCAN
Start	264	End	9785
GI	none	Score	.82
Exons	264..410, 976..1083, 1287..1368, 1430..1614, 1988..2185, 2499..2715, 3494..3518, 3871..3920, 6076..6211, 7590..7671, 8066..8241, 8348..8485, 8582..8721, 9538..9785		

Seq. No.	9958	Seq. ID	OJ990520_33.9819.C1
Gene No.	21226	Strand	+
Start	264	End	9785
Name	OJ990520_33.9819.C1.o1.gp	Method	AAT/GAP
Start	2239	End	2600
GI	26420_1.R1084	Score	563
Exons	2239..2600		
GI Descrip.	'5903032/gb|AAD55591.1|AC008016_1 3.0e-66 (AC008016) Similar to gb_AJ010025 unr-interacting protein from Homo sapiens and contains 3 PF_00400 WD40 domains. EST gb_T45021 comes from this gene. [Arabidopsis thaliana]'		

Seq. No.	9958	Seq. ID	OJ990520_33.9819.C1
Gene No.	21226	Strand	+
Start	264	End	9785
Name	OJ990520_33.9819.C1.o1.np	Method	AAT/NAP
Start	2598	End	9782
GI	5903032	Score	1301
Exons	2598..2715, 6076..6211, 7590..7671, 8066..8241, 8348..8485, 8582..8721, 9538..9782		
GI Descrip.	(AC008016) Similar to gb|AJ010025 unr-interacting protein from Homo sapiens and contains 3 PF|00400 WD40 domains. EST gb|T45021 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	9958	Seq. ID	OJ990520_33.9819.C1
Gene No.	21226	Strand	+
Start	264	End	9785
Name	OJ990520_33.9819.C1.o2.gp	Method	AAT/GAP
Start	6167	End	8604
GI	2311090	Score	798
Exons	6167..6211, 7590..7671, 8066..8241, 8348..8485, 8582..8604		
GI Descrip.	5903032/gb|AAD55591.1|AC008016_1 3.0e-66 (AC008016) Similar to gb_AJ010025 unr-interacting protein from Homo sapiens and contains 3 PF_00400 WD40 domains. EST gb_T45021 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	9958	Seq. ID	OJ990520_33.9819.C1
Gene No.	21227	Strand	+
Start	15802	End	17540

Name	OJ990520_33.9819.C1.o4.gs	Method	GENSCAN
Start	15802	End	17540
GI	none	Score	.92
Exons	15802..16056, 17165..17301, 17363..17540		

Seq. No.	9958	Seq. ID	OJ990520_33.9819.C1
Gene No.	21228	Strand	-
Start	9676	End	10208
Name	OJ990520_33.9819.C1.o3.gp	Method	AAT/GAP
Start	9676	End	10208
GI	none	Score	987
Exons	9676..10208		

Seq. No.	9958	Seq. ID	OJ990520_33.9819.C1
Gene No.	21229	Strand	-
Start	10977	End	11260
Name	OJ990520_33.9819.C1.o2.gs	Method	GENSCAN
Start	10977	End	11260
GI	none	Score	.85
Exons	10977..11101, 11188..11260		

Seq. No.	9958	Seq. ID	OJ990520_33.9819.C1
Gene No.	21230	Strand	-
Start	12118	End	14781
Name	OJ990520_33.9819.C1.o5.tm	Method	TBLASTX:Maize
Start	251	End	776
GI	none	Score	183
Exons	251..655, 254..340, 354..560, 377..577, 573..626, 574..678, 680..775, 680..775, 681..776		

Seq. No.	9958	Seq. ID	OJ990520_33.9819.C1
Gene No.	21230	Strand	-
Start	12118	End	14781
Name	OJ990520_33.9819.C1.o2.tm	Method	TBLASTX:Maize
Start	2612	End	9749
GI	none	Score	181
Exons	2612..2734, 2613..2714, 6074..6211, 6075..6212, 7578..7676, 7582..7671, 8060..8242, 8065..8241, 8066..8242, 8324..8485, 8333..8476, 8334..8486, 8346..8525, 8568..8723, 8582..8719, 8592..8723, 9529..9747, 9536..9586, 9537..9749		

Seq. No.	9958	Seq. ID	OJ990520_33.9819.C1
Gene No.	21230	Strand	-
Start	12118	End	14781
Name	OJ990520_33.9819.C1.o4.ts	Method	TBLASTX:Soybean
Start	2612	End	7676
GI	none	Score	178
Exons	2612..2713, 2613..2714, 6074..6217, 6075..6209, 6077..6211, 6082..6213, 7578..7676, 7582..7671		

Seq. No.	9958	Seq. ID	OJ990520_33.9819.C1
Gene No.	21230	Strand	-
Start	12118	End	14781
Name	OJ990520_33.9819.C1.o2.tc	Method	TBLASTX:Cress
Start	6128	End	9824
GI	none	Score	70
Exons	6128..6211, 6129..6212, 6131..6217, 7557..7676, 7582..7671,		

8063..8242, 8065..8244, 8066..8242, 8327..8482, 8333..8476, 8346..8525, 8352..8486, 8568..8720, 8582..8719, 8592..8732, 9540..9650, 9542..9640, 9663..9824, 9692..9742

Seq. No.	9958	Seq. ID	OJ990520_33.9819.C1
Gene No.	21230	Strand	-
Start	12118	End	14781
Name	OJ990520_33.9819.C1.o2.ts	Method	TBLASTX:Soybean
Start	8103	End	9689
GI	none	Score	102
Exons	8103..8234, 8105..8242, 8105..8242, 8113..8244, 8327..8494, 8333..8479, 8346..8525, 8583..8723, 8585..8719, 9536..9640, 9537..9689, 9544..9687		

Seq. No.	9958	Seq. ID	OJ990520_33.9819.C1
Gene No.	21230	Strand	-
Start	12118	End	14781
Name	OJ990520_33.9819.C1.o3.gs	Method	GENSCAN
Start	12118	End	14781
GI	none	Score	.89
Exons	12118..12287, 12628..12643, 12684..14234, 14465..14657, 14765..14781		

Seq. No.	9958	Seq. ID	OJ990520_33.9819.C1
Gene No.	21230	Strand	-
Start	12118	End	14781
Name	OJ990520_33.9819.C1.o4.gp	Method	AAT/GAP
Start	12439	End	13008
GI	17516_1.R1084	Score	978
Exons	12439..13008		
GI Descrip.	'2760830/gb|AAB95298.1| 9.0e-52 (AC003105) putative beta-ketoacyl-CoA synthase [Arabidopsis thaliana]'		

Seq. No.	9958	Seq. ID	OJ990520_33.9819.C1
Gene No.	21230	Strand	-
Start	12118	End	14781
Name	OJ990520_33.9819.C1.o3.ts	Method	TBLASTX:Soybean
Start	12639	End	12888
GI	none	Score	109
Exons	12639..12884, 12675..12887, 12697..12888		

Seq. No.	9958	Seq. ID	OJ990520_33.9819.C1
Gene No.	21230	Strand	-
Start	12118	End	14781
Name	OJ990520_33.9819.C1.o3.tm	Method	TBLASTX:Maize
Start	12665	End	13011
GI	none	Score	82
Exons	12665..12799, 12675..13010, 12682..13011		

Seq. No.	9958	Seq. ID	OJ990520_33.9819.C1
Gene No.	21230	Strand	-
Start	12118	End	14781
Name	OJ990520_33.9819.C1.o2.np	Method	AAT/NAP
Start	12681	End	14206
GI	2760830	Score	2134
Exons	12681..14206		
GI Descrip.	(AC003105) putative beta-ketoacyl-CoA synthase [Arabidopsis		

thaliana]

Seq. No.	9958	Seq. ID	OJ990520_33.9819.C1
Gene No.	21230	Strand	-
Start	12118	End	14781
Name	OJ990520_33.9819.C1.o2.tw	Method	TBLASTX:Wheat
Start	12681	End	12917
GI	none	Score	49
Exons	12681..12740, 12694..12738, 12750..12917, 12751..12912		

Seq. No.	9958	Seq. ID	OJ990520_33.9819.C1
Gene No.	21230	Strand	-
Start	12118	End	14781
Name	OJ990520_33.9819.C1.o1.tc	Method	TBLASTX:Cress
Start	12705	End	14168
GI	none	Score	152
Exons	12705..13049, 12705..13049, 12706..13050, 12787..13050, 13071..13991, 13078..13704, 13783..13899, 14041..14142, 14052..14168, 14100..14168		

Seq. No.	9958	Seq. ID	OJ990520_33.9819.C1
Gene No.	21230	Strand	-
Start	12118	End	14781
Name	OJ990520_33.9819.C1.o1.ts	Method	TBLASTX:Soybean
Start	12890	End	14036
GI	none	Score	117
Exons	12890..13063, 12891..14036, 12892..13278, 13140..13733, 13336..13746, 13795..13899		

Seq. No.	9958	Seq. ID	OJ990520_33.9819.C1
Gene No.	21230	Strand	-
Start	12118	End	14781
Name	OJ990520_33.9819.C1.o1.tm	Method	TBLASTX:Maize
Start	13012	End	13931
GI	none	Score	1088
Exons	13012..13656, 13014..13931, 13021..13899		

Seq. No.	9958	Seq. ID	OJ990520_33.9819.C1
Gene No.	21230	Strand	-
Start	12118	End	14781
Name	OJ990520_33.9819.C1.o1.tw	Method	TBLASTX:Wheat
Start	13624	End	13878
GI	none	Score	195
Exons	13624..13878, 13626..13877		

Seq. No.	9958	Seq. ID	OJ990520_33.9819.C1
Gene No.	21230	Strand	-
Start	12118	End	14781
Name	OJ990520_33.9819.C1.o4.tm	Method	TBLASTX:Maize
Start	13932	End	14174
GI	none	Score	298
Exons	13932..14174, 13966..14151, 14082..14168		

Seq. No.	9958	Seq. ID	OJ990520_33.9819.C1
Gene No.	21230	Strand	-
Start	12118	End	14781
Name	OJ990520_33.9819.C1.o5.gp	Method	AAT/GAP

Start	14141	End	14597
GI	none	Score	370
Exons	14141..14230, 14465..14597		

Seq. No.	9959	Seq. ID	OJ990520_33.9819.C2
Gene No.	21231	Strand	+
Start	201	End	2568
Name	OJ990520_33.9819.C2.o1.gs	Method	GENSCAN
Start	201	End	2568
GI	none	Score	.52
Exons	201..314, 1790..1834, 2494..2568		

Seq. No.	9959	Seq. ID	OJ990520_33.9819.C2
Gene No.	21232	Strand	-
Start	1708	End	2029
Name	OJ990520_33.9819.C2.o1.gp	Method	AAT/GAP
Start	1708	End	2029
GI	LIB3477-003-P1-K1-E9	Score	129
Exons	1708..1735, 1956..2029		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	9960	Seq. ID	OJ990520_33.9819.C3
Gene No.	21233	Strand	+
Start	195	End	1434
Name	OJ990520_33.9819.C3.o1.gs	Method	GENSCAN
Start	195	End	1434
GI	none	Score	.76
Exons	195..267, 1302..1434		

Seq. No.	9961	Seq. ID	OJ990520_33.9819.C4
Gene No.	21234	Strand	+
Start	112	End	670
Name	OJ990520_33.9819.C4.o1.gs	Method	GENSCAN
Start	112	End	670
GI	none	Score	.5
Exons	112..125, 143..321, 546..670		

Seq. No.	9962	Seq. ID	OJ990520_33.9819.C5
Gene No.	21235	Strand	-
Start	701	End	780
Name	OJ990520_33.9819.C5.o1.gs	Method	GENSCAN
Start	701	End	780
GI	none	Score	.44
Exons	701..780		

Seq. No.	9963	Seq. ID	OJ990520_33.9819.C6
Gene No.	21236	Strand	+
Start	150	End	2431
Name	OJ990520_33.9819.C6.o1.gs	Method	GENSCAN
Start	150	End	2431
GI	none	Score	.51
Exons	150..231, 781..945, 1296..1615, 1812..1934, 1958..2144, 2220..2431		

Seq. No.	9963	Seq. ID	OJ990520_33.9819.C6

Gene No.	21237	Strand	+
Start	18218	End	20835
Name	OJ990520_33.9819.C6.o4.gs	Method	GENSCAN
Start	18218	End	20835
GI	none	Score	.6
Exons	18218..18379, 18712..18813, 18828..19033, 19451..19502, 19899..20153, 20236..20835		

Seq. No.	9963	Seq. ID	OJ990520_33.9819.C6
Gene No.	21238	Strand	-
Start	758	End	2380
Name	OJ990520_33.9819.C6.o1.np	Method	AAT/NAP
Start	758	End	2380
GI	6069646	Score	1715
Exons	758..1737, 2021..2380		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	9963	Seq. ID	OJ990520_33.9819.C6
Gene No.	21239	Strand	-
Start	3156	End	5181
Name	OJ990520_33.9819.C6.o2.gs	Method	GENSCAN
Start	3156	End	5154
GI	none	Score	.79
Exons	3156..3623, 3726..4475, 4582..4835, 4884..5154		

Seq. No.	9963	Seq. ID	OJ990520_33.9819.C6
Gene No.	21239	Strand	-
Start	3156	End	5181
Name	OJ990520_33.9819.C6.o2.np	Method	AAT/NAP
Start	3162	End	5181
GI	2760837	Score	1363
Exons	3162..3623, 3726..4128, 4228..4475, 4582..4805, 4884..5181		
GI Descrip.	(AC003105) putative cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	9963	Seq. ID	OJ990520_33.9819.C6
Gene No.	21240	Strand	-
Start	7670	End	16607
Name	OJ990520_33.9819.C6.o3.gs	Method	GENSCAN
Start	7670	End	16607
GI	none	Score	.62
Exons	7670..8099, 10130..10194, 10645..10752, 11468..11583, 12174..12250, 14728..14828, 15573..15649, 15674..15895, 16547..16607		

Seq. No.	9963	Seq. ID	OJ990520_33.9819.C6
Gene No.	21241	Strand	-
Start	18240	End	20409
Name	OJ990520_33.9819.C6.o3.np	Method	AAT/NAP
Start	18240	End	20409
GI	5360230	Score	791
Exons	18240..18306, 18429..18506, 18651..18830, 18919..19008, 19896..20013, 20173..20229, 20337..20409		
GI Descrip.	(AB015287) Ran [Oryza sativa]		

Seq. No.	9963	Seq. ID	OJ990520_33.9819.C6
Gene No.	21241	Strand	-
Start	18240	End	20409
Name	OJ990520_33.9819.C6.o1.gp	Method	AAT/GAP
Start	18439	End	18991
GI	2311346	Score	578
Exons	18439..18506, 18651..18830, 18919..18991		
GI Descrip.	5360230/dbj|BAA81911.1| 1.0e-47 (AB015287) Ran [Oryza sativa]		

Seq. No.	9963	Seq. ID	OJ990520_33.9819.C6
Gene No.	21242	Strand	-
Start	21550	End	21803
Name	OJ990520_33.9819.C6.o4.np	Method	AAT/NAP
Start	21550	End	21803
GI	2130159	Score	139
Exons	21550..21803		
GI Descrip.	hypothetical protein 85 - maize chloroplast gi|902275|emb|CAA60340| (X86563) ORF85 [Zea mays] gi|902296|emb|CAA60360| (X86563) ORF85 [Zea mays]		

Seq. No.	9963	Seq. ID	OJ990520_33.9819.C6
Gene No.	21243	Strand	-
Start	22073	End	29994
Name	OJ990520_33.9819.C6.o4.tm	Method	TBLASTX:Maize
Start	773	End	12766
GI	none	Score	81
Exons	773..982, 998..1333, 1023..1226, 12530..12610, 12629..12766		

Seq. No.	9963	Seq. ID	OJ990520_33.9819.C6
Gene No.	21243	Strand	-
Start	22073	End	29994
Name	OJ990520_33.9819.C6.o4.tw	Method	TBLASTX:Wheat
Start	1094	End	12790
GI	none	Score	234
Exons	1094..1228, 12529..12705, 12530..12790, 12530..12709		

Seq. No.	9963	Seq. ID	OJ990520_33.9819.C6
Gene No.	21243	Strand	-
Start	22073	End	29994
Name	OJ990520_33.9819.C6.o3.tm	Method	TBLASTX:Maize
Start	1798	End	2383
GI	none	Score	84
Exons	1798..1935, 1800..1958, 1937..1990, 2003..2380, 2009..2383		

Seq. No.	9963	Seq. ID	OJ990520_33.9819.C6
Gene No.	21243	Strand	-
Start	22073	End	29994
Name	OJ990520_33.9819.C6.o3.ts	Method	TBLASTX:Soybean
Start	3183	End	5089
GI	none	Score	78
Exons	3183..3503, 3540..3623, 3774..3929, 3778..3918, 4134..4493, 4600..4677, 4732..4818, 4948..5082, 4949..5089		

Seq. No.	9963	Seq. ID	OJ990520_33.9819.C6
Gene No.	21243	Strand	-
Start	22073	End	29994

Name	OJ990520_33.9819.C6.o5.tm	Method	TBLASTX:Maize
Start	3183	End	4806
GI	none	Score	144
Exons	3183..3500, 3199..3501, 3525..3617, 3561..3617, 3760..3942, 3777..3959, 4134..4481, 4597..4689, 4672..4806		

Seq. No.	9963	Seq. ID	OJ990520_33.9819.C6
Gene No.	21243	Strand	-
Start	22073	End	29994
Name	OJ990520_33.9819.C6.o4.tc	Method	TBLASTX:Cress
Start	3186	End	3503
GI	none	Score	84
Exons	3186..3503, 3187..3456		

Seq. No.	9963	Seq. ID	OJ990520_33.9819.C6
Gene No.	21243	Strand	-
Start	22073	End	29994
Name	OJ990520_33.9819.C6.o3.tw	Method	TBLASTX:Wheat
Start	3348	End	3656
GI	none	Score	83
Exons	3348..3503, 3348..3503, 3349..3504, 3540..3656, 3547..3648		

Seq. No.	9963	Seq. ID	OJ990520_33.9819.C6
Gene No.	21243	Strand	-
Start	22073	End	29994
Name	OJ990520_33.9819.C6.o6.tm	Method	TBLASTX:Maize
Start	12873	End	13166
GI	none	Score	236
Exons	12873..13166, 12873..13148		

Seq. No.	9963	Seq. ID	OJ990520_33.9819.C6
Gene No.	21243	Strand	-
Start	22073	End	29994
Name	OJ990520_33.9819.C6.o1.tw	Method	TBLASTX:Wheat
Start	18228	End	19984
GI	none	Score	81
Exons	18228..18305, 18231..18311, 18428..18505, 18432..18506, 18650..18832, 18651..18833, 18910..19008, 18917..19003, 18918..19007, 19896..19982, 19896..19979, 19897..19983, 19898..19984		

Seq. No.	9963	Seq. ID	OJ990520_33.9819.C6
Gene No.	21243	Strand	-
Start	22073	End	29994
Name	OJ990520_33.9819.C6.o2.tc	Method	TBLASTX:Cress
Start	18428	End	20406
GI	none	Score	232
Exons	18428..18505, 18650..18832, 18651..18833, 18910..19008, 18918..19007, 19896..20018, 19898..20020, 20174..20230, 20184..20231, 20332..20406		

Seq. No.	9963	Seq. ID	OJ990520_33.9819.C6
Gene No.	21243	Strand	-
Start	22073	End	29994
Name	OJ990520_33.9819.C6.o2.tm	Method	TBLASTX:Maize
Start	18428	End	20406
GI	none	Score	68

Exons	18428..18505, 18432..18506, 18650..18832, 18651..18833, 18918..19007, 18918..19007, 18919..19008, 18919..19008, 19896..20018, 19897..20001, 19898..20020, 20174..20230, 20184..20231, 20332..20406, 20335..20403			
Seq. No.	9963	Seq. ID	OJ990520_33.9819.C6	
Gene No.	21243	Strand	-	
Start	22073	End	29994	
Name	OJ990520_33.9819.C6.o2.ts	Method	TBLASTX:Soybean	
Start	18428	End	20412	
GI	none	Score	228	
Exons	18428..18505, 18650..18832, 18651..18833, 18918..19007, 18919..19008, 19895..20008, 19896..20018, 19898..20020, 20174..20230, 20184..20231, 20332..20412			
Seq. No.	9963	Seq. ID	OJ990520_33.9819.C6	
Gene No.	21243	Strand	-	
Start	22073	End	29994	
Name	OJ990520_33.9819.C6.o2.gp	Method	AAT/GAP	
Start	21702	End	22026	
GI	428061	Score	559	
Exons	21702..22026			
Seq. No.	9963	Seq. ID	OJ990520_33.9819.C6	
Gene No.	21243	Strand	-	
Start	22073	End	29994	
Name	OJ990520_33.9819.C6.o1.tm	Method	TBLASTX:Maize	
Start	22039	End	24649	
GI	none	Score	60	
Exons	22039..22104, 22048..22107, 22071..22214, 22073..22216, 22074..22214, 22144..22224, 22168..22224, 22504..22605, 22505..22612, 22505..22606, 22506..22616, 22707..22976, 22711..22974, 22723..22980, 22724..22984, 22733..22981, 23112..23279, 23113..23310, 23114..23278, 23245..23280, 23359..23478, 23361..23402, 23361..23666, 23362..23649, 23411..23671, 24117..24236, 24117..24236, 24118..24237, 24532..24648, 24536..24649			
Seq. No.	9963	Seq. ID	OJ990520_33.9819.C6	
Gene No.	21243	Strand	-	
Start	22073	End	29994	
Name	OJ990520_33.9819.C6.o3.tc	Method	TBLASTX:Cress	
Start	22055	End	22899	
GI	none	Score	171	
Exons	22055..22216, 22074..22214, 22076..22219, 22506..22610, 22506..22619, 22529..22618, 22529..22642, 22707..22898, 22711..22899, 22723..22899			
Seq. No.	9963	Seq. ID	OJ990520_33.9819.C6	
Gene No.	21243	Strand	-	
Start	22073	End	29994	
Name	OJ990520_33.9819.C6.o1.ts	Method	TBLASTX:Soybean	
Start	22073	End	24651	
GI	none	Score	160	
Exons	22073..22216, 22074..22214, 22504..22605, 22505..22606, 22506..22619, 22506..22619, 22723..22974, 22723..22980, 22724..22984, 23113..23310, 23114..23278, 23359..23478,			

23361..23402, 23361..23657, 23362..23649, 24117..24236,
24121..24237, 24527..24649, 24532..24651

Seq. No.	9963	Seq. ID	OJ990520_33.9819.C6
Gene No.	21243	Strand	-
Start	22073	End	29994
Name	OJ990520_33.9819.C6.o5.gs	Method	GENSCAN
Start	22073	End	29994
GI	none	Score	.91
Exons	22073..22213, 22506..22616, 22723..22978, 23114..23277, 23361..23648, 24021..24089, 24123..24220, 24531..24831, 29962..29994		

Seq. No.	9963	Seq. ID	OJ990520_33.9819.C6
Gene No.	21243	Strand	-
Start	22073	End	29994
Name	OJ990520_33.9819.C6.o5.np	Method	AAT/NAP
Start	22076	End	24816
GI	6752880	Score	1623
Exons	22076..22213, 22506..22616, 22723..22978, 23114..23277, 23361..23648, 24123..24220, 24531..24662, 24705..24816		
GI Descrip.	(AF220199) 26S proteasome regulatory subunit 8 [Pinus taeda]		

Seq. No.	9963	Seq. ID	OJ990520_33.9819.C6
Gene No.	21243	Strand	-
Start	22073	End	29994
Name	OJ990520_33.9819.C6.o2.tw	Method	TBLASTX:Wheat
Start	23196	End	23666
GI	none	Score	72
Exons	23196..23279, 23197..23280, 23197..23310, 23359..23478, 23361..23585, 23361..23594, 23362..23595, 23586..23666, 23593..23640		

Seq. No.	9963	Seq. ID	OJ990520_33.9819.C6
Gene No.	21243	Strand	-
Start	22073	End	29994
Name	OJ990520_33.9819.C6.o1.tc	Method	TBLASTX:Cress
Start	23239	End	24651
GI	none	Score	262
Exons	23239..23280, 23359..23475, 23361..23657, 23362..23649, 24117..24212, 24121..24222, 24532..24651, 24536..24649		

Seq. No.	9964	Seq. ID	OJ990520_33.9819.C7
Gene No.	21244	Strand	+
Start	1458	End	26442
Name	OJ990520_33.9819.C7.o1.gs	Method	GENSCAN
Start	1458	End	4338
GI	none	Score	.51
Exons	1458..1563, 3778..3823, 4218..4338		

Seq. No.	9964	Seq. ID	OJ990520_33.9819.C7
Gene No.	21244	Strand	+
Start	1458	End	26442
Name	OJ990520_33.9819.C7.o1.np	Method	AAT/NAP
Start	1479	End	26442
GI	6721547	Score	87
Exons	1479..1563, 5014..5090, 26422..26442		

GI Descrip. (AP001073) Similar to Oryza sativa gene for Pib. (AB013448)

Seq. No.	9964	Seq. ID	OJ990520_33.9819.C7
Gene No.	21244	Strand	+
Start	1458	End	26442
Name	OJ990520_33.9819.C7.o2.gs	Method	GENSCAN
Start	4672	End	5034
GI	none	Score	.64
Exons	4672..5034		

Seq. No.	9964	Seq. ID	OJ990520_33.9819.C7
Gene No.	21245	Strand	-
Start	8251	End	9905
Name	OJ990520_33.9819.C7.o3.gs	Method	GENSCAN
Start	8251	End	9905
GI	none	Score	.41
Exons	8251..8817, 9744..9905		

Seq. No.	9964	Seq. ID	OJ990520_33.9819.C7
Gene No.	21246	Strand	-
Start	10550	End	25303
Name	OJ990520_33.9819.C7.o4.gs	Method	GENSCAN
Start	10550	End	25303
GI	none	Score	.44
Exons	10550..10843, 10885..10966, 11216..11493, 11628..12813, 12893..14955, 15003..16164, 16377..16513, 16808..16902, 17072..17314, 17366..17379, 17573..17697, 18822..19076, 19249..19547, 19971..20946, 21285..21879, 22005..23427, 24443..24520, 24845..24876, 25002..25303		

Seq. No.	9964	Seq. ID	OJ990520_33.9819.C7
Gene No.	21246	Strand	-
Start	10550	End	25303
Name	OJ990520_33.9819.C7.o5.tm	Method	TBLASTX:Maize
Start	11212	End	11963
GI	none	Score	63
Exons	11212..11349, 11341..11574, 11347..11472, 11613..11963, 11614..11862, 11619..11915		

Seq. No.	9964	Seq. ID	OJ990520_33.9819.C7
Gene No.	21246	Strand	-
Start	10550	End	25303
Name	OJ990520_33.9819.C7.o2.np	Method	AAT/NAP
Start	11233	End	17237
GI	6466937	Score	2285
Exons	11233..15560, 17196..17237		

GI Descrip. (AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]

Seq. No.	9964	Seq. ID	OJ990520_33.9819.C7
Gene No.	21246	Strand	-
Start	10550	End	25303
Name	OJ990520_33.9819.C7.o4.tw	Method	TBLASTX:Wheat
Start	11613	End	11897
GI	none	Score	138
Exons	11613..11897, 11614..11847, 11616..11885		

Seq. No.	9964	Seq. ID	OJ990520_33.9819.C7
Gene No.	21246	Strand	-
Start	10550	End	25303
Name	OJ990520_33.9819.C7.o5.tw	Method	TBLASTX:Wheat
Start	11964	End	12350
GI	none	Score	280
Exons	11964..12350		

Seq. No.	9964	Seq. ID	OJ990520_33.9819.C7
Gene No.	21246	Strand	-
Start	10550	End	25303
Name	OJ990520_33.9819.C7.o1.tm	Method	TBLASTX:Maize
Start	11970	End	12605
GI	none	Score	282
Exons	11970..12605, 11971..12519		

Seq. No.	9964	Seq. ID	OJ990520_33.9819.C7
Gene No.	21246	Strand	-
Start	10550	End	25303
Name	OJ990520_33.9819.C7.o1.ts	Method	TBLASTX:Soybean
Start	12198	End	12584
GI	none	Score	146
Exons	12198..12584, 12202..12552		

Seq. No.	9964	Seq. ID	OJ990520_33.9819.C7
Gene No.	21246	Strand	-
Start	10550	End	25303
Name	OJ990520_33.9819.C7.o3.tw	Method	TBLASTX:Wheat
Start	12438	End	12836
GI	none	Score	107
Exons	12438..12836, 12439..12675		

Seq. No.	9964	Seq. ID	OJ990520_33.9819.C7
Gene No.	21246	Strand	-
Start	10550	End	25303
Name	OJ990520_33.9819.C7.o7.tm	Method	TBLASTX:Maize
Start	12606	End	13032
GI	none	Score	70
Exons	12606..12836, 12895..13032, 12913..13029		

Seq. No.	9964	Seq. ID	OJ990520_33.9819.C7
Gene No.	21246	Strand	-
Start	10550	End	25303
Name	OJ990520_33.9819.C7.o2.tm	Method	TBLASTX:Maize
Start	13033	End	13557
GI	none	Score	360
Exons	13033..13554, 13043..13552, 13255..13557		

Seq. No.	9964	Seq. ID	OJ990520_33.9819.C7
Gene No.	21246	Strand	-
Start	10550	End	25303
Name	OJ990520_33.9819.C7.o2.tw	Method	TBLASTX:Wheat
Start	13183	End	13584
GI	none	Score	141
Exons	13183..13584, 13184..13495		

Seq. No.	9964	Seq. ID	OJ990520_33.9819.C7

Gene No.	21246	Strand	-
Start	10550	End	25303
Name	OJ990520_33.9819.C7.o2.ts	Method	TBLASTX:Soybean
Start	13297	End	13668
GI	none	Score	167
Exons	13297..13668, 13298..13645		

Seq. No.	9964	Seq. ID	OJ990520_33.9819.C7
Gene No.	21246	Strand	-
Start	10550	End	25303
Name	OJ990520_33.9819.C7.o1.tw	Method	TBLASTX:Wheat
Start	13633	End	14115
GI	none	Score	240
Exons	13633..14115, 13667..14104		

Seq. No.	9964	Seq. ID	OJ990520_33.9819.C7
Gene No.	21246	Strand	-
Start	10550	End	25303
Name	OJ990520_33.9819.C7.o3.tm	Method	TBLASTX:Maize
Start	13738	End	14214
GI	none	Score	201
Exons	13738..14214, 13750..14139, 13817..14155		

Seq. No.	9964	Seq. ID	OJ990520_33.9819.C7
Gene No.	21246	Strand	-
Start	10550	End	25303
Name	OJ990520_33.9819.C7.o3.ts	Method	TBLASTX:Soybean
Start	13765	End	14079
GI	none	Score	50
Exons	13765..14079, 13766..13963, 13988..14053		

Seq. No.	9964	Seq. ID	OJ990520_33.9819.C7
Gene No.	21246	Strand	-
Start	10550	End	25303
Name	OJ990520_33.9819.C7.o9.tm	Method	TBLASTX:Maize
Start	14305	End	14583
GI	none	Score	124
Exons	14305..14559, 14383..14583		

Seq. No.	9964	Seq. ID	OJ990520_33.9819.C7
Gene No.	21246	Strand	-
Start	10550	End	25303
Name	OJ990520_33.9819.C7.o3.np	Method	AAT/NAP
Start	17407	End	23089
GI	6069646	Score	809
Exons	17407..18380, 18669..19465, 23068..23089		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	9964	Seq. ID	OJ990520_33.9819.C7
Gene No.	21246	Strand	-
Start	10550	End	25303
Name	OJ990520_33.9819.C7.o12.tm	Method	TBLASTX:Maize
Start	17703	End	17915

GI	none	Score	185
Exons	17703..17915		

Seq. No.	9964	Seq. ID	OJ990520_33.9819.C7
Gene No.	21246	Strand	-
Start	10550	End	25303
Name	OJ990520_33.9819.C7.o6.tw	Method	TBLASTX:Wheat
Start	18381	End	18806
GI	none	Score	89
Exons	18381..18410, 18510..18806, 18517..18801		

Seq. No.	9964	Seq. ID	OJ990520_33.9819.C7
Gene No.	21246	Strand	-
Start	10550	End	25303
Name	OJ990520_33.9819.C7.o4.tm	Method	TBLASTX:Maize
Start	18447	End	19134
GI	none	Score	152
Exons	18447..19133, 18448..18888, 18979..19134		

Seq. No.	9964	Seq. ID	OJ990520_33.9819.C7
Gene No.	21246	Strand	-
Start	10550	End	25303
Name	OJ990520_33.9819.C7.o7.tw	Method	TBLASTX:Wheat
Start	18948	End	19209
GI	none	Score	77
Exons	18948..19208, 18979..19209		

Seq. No.	9964	Seq. ID	OJ990520_33.9819.C7
Gene No.	21246	Strand	-
Start	10550	End	25303
Name	OJ990520_33.9819.C7.o6.tm	Method	TBLASTX:Maize
Start	19134	End	19581
GI	none	Score	52
Exons	19134..19229, 19164..19229, 19222..19479, 19337..19477, 19549..19581		

Seq. No.	9964	Seq. ID	OJ990520_33.9819.C7
Gene No.	21246	Strand	-
Start	10550	End	25303
Name	OJ990520_33.9819.C7.o8.tm	Method	TBLASTX:Maize
Start	19686	End	20058
GI	none	Score	70
Exons	19686..19772, 19741..20058, 19811..19933		

Seq. No.	9964	Seq. ID	OJ990520_33.9819.C7
Gene No.	21246	Strand	-
Start	10550	End	25303
Name	OJ990520_33.9819.C7.o10.tm	Method	TBLASTX:Maize
Start	20272	End	20532
GI	none	Score	144
Exons	20272..20391, 20395..20532		

Seq. No.	9964	Seq. ID	OJ990520_33.9819.C7
Gene No.	21246	Strand	-
Start	10550	End	25303
Name	OJ990520_33.9819.C7.o11.tm	Method	TBLASTX:Maize
Start	22331	End	22672

GI	none	Score	188
Exons	22331..22396, 22403..22672		

Seq. No.	9965	Seq. ID	OJ990520_33.9819.C8
Gene No.	21247	Strand	+
Start	1726	End	2070
Name	OJ990520_33.9819.C8.o1.gs	Method	GENSCAN
Start	1726	End	2070
GI	none	Score	.87
Exons	1726..2070		

Seq. No.	9965	Seq. ID	OJ990520_33.9819.C8
Gene No.	21248	Strand	+
Start	6076	End	14363
Name	OJ990520_33.9819.C8.o3.gs	Method	GENSCAN
Start	6076	End	14363
GI	none	Score	.42
Exons	6076..6205, 6210..6247, 6823..6915, 6972..7115, 7328..7485, 7565..7746, 7978..8030, 8115..8588, 8671..8822, 8876..9057, 9968..10117, 10380..10661, 10812..10888, 11481..11756, 12995..13113, 13166..13277, 14268..14363		

Seq. No.	9965	Seq. ID	OJ990520_33.9819.C8
Gene No.	21248	Strand	+
Start	6076	End	14363
Name	OJ990520_33.9819.C8.o1.np	Method	AAT/NAP
Start	8022	End	12343
GI	2586082	Score	3899
Exons	8022..12343		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	9965	Seq. ID	OJ990520_33.9819.C8
Gene No.	21249	Strand	-
Start	13459	End	13842
Name	OJ990520_33.9819.C8.o1.gp	Method	AAT/GAP
Start	13459	End	13842
GI	5900764	Score	283
Exons	13459..13653, 13795..13842		
GI Descrip.	5042437/gb|AC007789.1|AC007789 6.0e-12 Oryza sativa BAC T49B20 genomic sequence, complete sequence		

Seq. No.	9965	Seq. ID	OJ990520_33.9819.C8
Gene No.	21250	Strand	-
Start	17680	End	19329
Name	OJ990520_33.9819.C8.o4.tc	Method	TBLASTX:Cress
Start	8076	End	8609
GI	none	Score	213
Exons	8076..8609		

Seq. No.	9965	Seq. ID	OJ990520_33.9819.C8
Gene No.	21250	Strand	-
Start	17680	End	19329
Name	OJ990520_33.9819.C8.o7.tm	Method	TBLASTX:Maize
Start	8115	End	8498
GI	none	Score	47
Exons	8115..8189, 8238..8498, 8256..8360		

Seq. No.	9965	Seq. ID	OJ990520_33.9819.C8
Gene No.	21250	Strand	-
Start	17680	End	19329
Name	OJ990520_33.9819.C8.o4.tw	Method	TBLASTX:Wheat
Start	8337	End	8666
GI	none	Score	278
Exons	8337..8666, 8351..8578, 8382..8660		

Seq. No.	9965	Seq. ID	OJ990520_33.9819.C8
Gene No.	21250	Strand	-
Start	17680	End	19329
Name	OJ990520_33.9819.C8.o6.tm	Method	TBLASTX:Maize
Start	8499	End	9059
GI	none	Score	102
Exons	8499..8720, 8817..8915, 8907..9059, 8936..9058		

Seq. No.	9965	Seq. ID	OJ990520_33.9819.C8
Gene No.	21250	Strand	-
Start	17680	End	19329
Name	OJ990520_33.9819.C8.o2.tw	Method	TBLASTX:Wheat
Start	8883	End	9266
GI	none	Score	411
Exons	8883..9254, 8892..9266		

Seq. No.	9965	Seq. ID	OJ990520_33.9819.C8
Gene No.	21250	Strand	-
Start	17680	End	19329
Name	OJ990520_33.9819.C8.o5.ts	Method	TBLASTX:Soybean
Start	9375	End	9779
GI	none	Score	57
Exons	9375..9461, 9477..9584, 9609..9779		

Seq. No.	9965	Seq. ID	OJ990520_33.9819.C8
Gene No.	21250	Strand	-
Start	17680	End	19329
Name	OJ990520_33.9819.C8.o2.tc	Method	TBLASTX:Cress
Start	9774	End	10231
GI	none	Score	323
Exons	9774..10226, 9800..10063, 10106..10231		

Seq. No.	9965	Seq. ID	OJ990520_33.9819.C8
Gene No.	21250	Strand	-
Start	17680	End	19329
Name	OJ990520_33.9819.C8.o4.ts	Method	TBLASTX:Soybean
Start	9786	End	10220
GI	none	Score	289
Exons	9786..10220		

Seq. No.	9965	Seq. ID	OJ990520_33.9819.C8
Gene No.	21250	Strand	-
Start	17680	End	19329
Name	OJ990520_33.9819.C8.o3.tm	Method	TBLASTX:Maize
Start	9887	End	10217
GI	none	Score	319
Exons	9887..10213, 9894..10217		

Seq. No.	9965	Seq. ID	OJ990520_33.9819.C8

Gene No.	21250	Strand	-
Start	17680	End	19329
Name	OJ990520_33.9819.C8.o3.tw	Method	TBLASTX:Wheat
Start	9894	End	10268
GI	none	Score	284
Exons	9894..10268		

Seq. No.	9965	Seq. ID	OJ990520_33.9819.C8
Gene No.	21250	Strand	-
Start	17680	End	19329
Name	OJ990520_33.9819.C8.o3.ts	Method	TBLASTX:Soybean
Start	10804	End	11311
GI	5509260	Score	330
Exons	10804..11109, 10814..11212, 11140..11211, 11215..11283, 11216..11311		
GI Descrip.	-		

Seq. No.	9965	Seq. ID	OJ990520_33.9819.C8
Gene No.	21250	Strand	-
Start	17680	End	19329
Name	OJ990520_33.9819.C8.o8.tm	Method	TBLASTX:Maize
Start	10843	End	11107
GI	none	Score	215
Exons	10843..11097, 10844..11107		

Seq. No.	9965	Seq. ID	OJ990520_33.9819.C8
Gene No.	21250	Strand	-
Start	17680	End	19329
Name	OJ990520_33.9819.C8.o3.tc	Method	TBLASTX:Cress
Start	10927	End	11200
GI	none	Score	279
Exons	10927..11199, 10928..11200		

Seq. No.	9965	Seq. ID	OJ990520_33.9819.C8
Gene No.	21250	Strand	-
Start	17680	End	19329
Name	OJ990520_33.9819.C8.o5.tw	Method	TBLASTX:Wheat
Start	10975	End	11320
GI	none	Score	221
Exons	10975..11076, 10976..11209, 11134..11205, 11228..11320, 11228..11284		

Seq. No.	9965	Seq. ID	OJ990520_33.9819.C8
Gene No.	21250	Strand	-
Start	17680	End	19329
Name	OJ990520_33.9819.C8.o5.tm	Method	TBLASTX:Maize
Start	11114	End	11552
GI	none	Score	109
Exons	11114..11209, 11225..11386, 11469..11552		

Seq. No.	9965	Seq. ID	OJ990520_33.9819.C8
Gene No.	21250	Strand	-
Start	17680	End	19329
Name	OJ990520_33.9819.C8.o1.tw	Method	TBLASTX:Wheat
Start	11493	End	11930
GI	none	Score	458
Exons	11493..11930, 11555..11929		

Seq. No.	9965	Seq. ID	OJ990520_33.9819.C8
Gene No.	21250	Strand	-
Start	17680	End	19329
Name	OJ990520_33.9819.C8.o4.tm	Method	TBLASTX:Maize
Start	11607	End	11855
GI	none	Score	297
Exons	11607..11855, 11612..11848, 11661..11855		

Seq. No.	9965	Seq. ID	OJ990520_33.9819.C8
Gene No.	21250	Strand	-
Start	17680	End	19329
Name	OJ990520_33.9819.C8.o2.ts	Method	TBLASTX:Soybean
Start	11694	End	12292
GI	none	Score	355
Exons	11694..12086, 11888..12085, 11892..12086, 12113..12217, 12114..12215, 12206..12292		

Seq. No.	9965	Seq. ID	OJ990520_33.9819.C8
Gene No.	21250	Strand	-
Start	17680	End	19329
Name	OJ990520_33.9819.C8.o2.tm	Method	TBLASTX:Maize
Start	11861	End	12286
GI	none	Score	151
Exons	11861..11995, 11862..11996, 11996..12064, 11997..12215, 12003..12068, 12117..12203, 12118..12228, 12206..12286		

Seq. No.	9965	Seq. ID	OJ990520_33.9819.C8
Gene No.	21250	Strand	-
Start	17680	End	19329
Name	OJ990520_33.9819.C8.o9.tm	Method	TBLASTX:Maize
Start	16412	End	17000
GI	none	Score	66
Exons	16412..16501, 16413..16472, 16532..16618, 16532..16618, 16532..16633, 16533..16664, 16539..16625, 16540..16632, 16540..16617, 16540..16695, 16541..16624, 16542..16649, 16641..16781, 16652..16780, 16659..16787, 16660..16824, 16671..16817, 16674..16814, 16675..16812, 16681..16776, 16681..16809, 16789..16842, 16821..16844, 16828..16896, 16828..16905, 16833..16985, 16836..16985, 16837..16986, 16845..17000, 16848..16991, 16850..16990, 16878..17000, 16893..16958		

Seq. No.	9965	Seq. ID	OJ990520_33.9819.C8
Gene No.	21250	Strand	-
Start	17680	End	19329
Name	OJ990520_33.9819.C8.o2.np	Method	AAT/NAP
Start	17671	End	19194
GI	5921185	Score	810
Exons	17671..19194		
GI Descrip.	CYTOCHROME P450 76C1 gi|2979548|gb|AAC06157.1| (AC003680) putative cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	9965	Seq. ID	OJ990520_33.9819.C8
Gene No.	21250	Strand	-
Start	17680	End	19329
Name	OJ990520_33.9819.C8.o4.gs	Method	GENSCAN

Start	17680	End	19329
GI	none	Score	.88
Exons	17680..19329		

Seq. No.	9965	Seq. ID	OJ990520_33.9819.C8
Gene No.	21250	Strand	-
Start	17680	End	19329
Name	OJ990520_33.9819.C8.o1.tm	Method	TBLASTX:Maize
Start	17699	End	18370
GI	none	Score	96
Exons	17699..17914, 17743..17916, 17929..18051, 17930..18028, 18064..18255, 18064..18369, 18218..18370		

Seq. No.	9965	Seq. ID	OJ990520_33.9819.C8
Gene No.	21250	Strand	-
Start	17680	End	19329
Name	OJ990520_33.9819.C8.o1.ts	Method	TBLASTX:Soybean
Start	17750	End	19018
GI	none	Score	88
Exons	17750..17917, 17752..17916, 17932..18045, 18076..18333, 18218..18388, 18385..18579, 18718..18807, 18877..19017, 18896..19018		

Seq. No.	9965	Seq. ID	OJ990520_33.9819.C8
Gene No.	21250	Strand	-
Start	17680	End	19329
Name	OJ990520_33.9819.C8.o6.tw	Method	TBLASTX:Wheat
Start	17758	End	18033
GI	none	Score	51
Exons	17758..17925, 17758..17925, 17759..17944, 17929..18009, 17929..18033, 17930..18013		

Seq. No.	9965	Seq. ID	OJ990520_33.9819.C8
Gene No.	21250	Strand	-
Start	17680	End	19329
Name	OJ990520_33.9819.C8.o1.tc	Method	TBLASTX:Cress
Start	17761	End	19017
GI	none	Score	79
Exons	17761..17916, 17774..17920, 17906..18031, 17932..18060, 18040..18306, 18064..18261, 18215..18313, 18478..18570, 18673..19017		

Seq. No.	9965	Seq. ID	OJ990520_33.9819.C8
Gene No.	21250	Strand	-
Start	17680	End	19329
Name	OJ990520_33.9819.C8.o7.tw	Method	TBLASTX:Wheat
Start	18073	End	18318
GI	none	Score	119
Exons	18073..18318, 18079..18297		

Seq. No.	9965	Seq. ID	OJ990520_33.9819.C8
Gene No.	21250	Strand	-
Start	17680	End	19329
Name	OJ990520_33.9819.C8.o2.gp	Method	AAT/GAP
Start	18289	End	19005
GI	68260_1.R1084	Score	1231
Exons	18289..19005		

GI Descrip. '5915834/sp|O64635|C7C4_ARATH 2.0e-21 CYTOCHROME P450 76C4 >gi_2979547 (AC003680) putative 7-ethoxycoumarin O-deethylase [Arabidopsis thaliana]'

Seq. No.	9966	Seq. ID	OJ990520_33.9819.C9
Gene No.	21251	Strand	+
Start	723	End	3491
Name	OJ990520_33.9819.C9.o1.gs	Method	GENSCAN
Start	723	End	3491
GI	none	Score	.41
Exons	723..795, 3403..3491		

Seq. No.	9966	Seq. ID	OJ990520_33.9819.C9
Gene No.	21252	Strand	-
Start	4210	End	5063
Name	OJ990520_33.9819.C9.o2.gs	Method	GENSCAN
Start	4210	End	5063
GI	none	Score	.65
Exons	4210..4388, 4549..4696, 4908..5063		

Seq. No.	9967	Seq. ID	OJ990520_33.9819.C10
Gene No.	21253	Strand	-
Start	373	End	824
Name	OJ990520_33.9819.C10.o1.gs	Method	GENSCAN
Start	373	End	824
GI	none	Score	.71
Exons	373..554, 667..824		

Seq. No.	9968	Seq. ID	OJ990520_33.9819.C11
Gene No.	21254	Strand	-
Start	476	End	793
Name	OJ990520_33.9819.C11.o1.gs	Method	GENSCAN
Start	476	End	793
GI	none	Score	.68
Exons	476..793		

Seq. No.	9969	Seq. ID	OJ990330_20.9819.C1
Gene No.	21255	Strand	+
Start	371	End	714
Name	OJ990330_20.9819.C1.o1.gs	Method	GENSCAN
Start	371	End	714
GI	none	Score	.72
Exons	371..517, 614..714		

Seq. No.	9970	Seq. ID	OJ990330_20.9819.C2
Gene No.	21256	Strand	+
Start	14141	End	16410
Name	OJ990330_20.9819.C2.o6.gs	Method	GENSCAN
Start	14141	End	16410
GI	none	Score	.54
Exons	14141..14201, 14562..14820, 14843..15058, 15885..16011, 16104..16303, 16347..16410		

Seq. No.	9970	Seq. ID	OJ990330_20.9819.C2
Gene No.	21257	Strand	+
Start	22005	End	26724
Name	OJ990330_20.9819.C2.o2.gp	Method	AAT/GAP

Start	22005	End	23528
GI	2310235	Score	300
Exons	22005..22042, 22454..22593, 23467..23528		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	9970	Seq. ID	OJ990330_20.9819.C2
Gene No.	21257	Strand	+
Start	22005	End	26724
Name	OJ990330_20.9819.C2.o2.np	Method	AAT/NAP
Start	22454	End	25761
GI	4680203	Score	3293
Exons	22454..24123, 24277..24507, 24784..25761		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	9970	Seq. ID	OJ990330_20.9819.C2
Gene No.	21257	Strand	+
Start	22005	End	26724
Name	OJ990330_20.9819.C2.o9.gs	Method	GENSCAN
Start	22454	End	25782
GI	none	Score	.57
Exons	22454..23265, 23769..25782		

Seq. No.	9970	Seq. ID	OJ990330_20.9819.C2
Gene No.	21257	Strand	+
Start	22005	End	26724
Name	OJ990330_20.9819.C2.o3.gp	Method	AAT/GAP
Start	22458	End	26542
GI	342_1.R1084	Score	6597
Exons	22458..25866, 25985..26089, 26199..26542		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	9970	Seq. ID	OJ990330_20.9819.C2
Gene No.	21257	Strand	+
Start	22005	End	26724
Name	OJ990330_20.9819.C2.o4.gp	Method	AAT/GAP
Start	22458	End	26545
GI	342_1.R1084	Score	6603
Exons	22458..25866, 25985..26089, 26199..26545		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	9970	Seq. ID	OJ990330_20.9819.C2
Gene No.	21257	Strand	+
Start	22005	End	26724
Name	OJ990330_20.9819.C2.o6.gp	Method	AAT/GAP
Start	22458	End	26536
GI	342_1.R1084	Score	6585
Exons	22458..25866, 25985..26089, 26199..26536		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	9970	Seq. ID	OJ990330_20.9819.C2
Gene No.	21257	Strand	+
Start	22005	End	26724
Name	OJ990330_20.9819.C2.o7.gp	Method	AAT/GAP

Start	22617	End	26724
GI	342_1.R1084	Score	6701
Exons	22617..25866, 25985..26089, 26199..26724		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	9970	Seq. ID	OJ990330_20.9819.C2
Gene No.	21257	Strand	+
Start	22005	End	26724
Name	OJ990330_20.9819.C2.o8.gp	Method	AAT/GAP
Start	22621	End	26724
GI	342_1.R1084	Score	6701
Exons	22621..25866, 25985..26089, 26199..26724		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	9970	Seq. ID	OJ990330_20.9819.C2
Gene No.	21258	Strand	-
Start	668	End	1604
Name	OJ990330_20.9819.C2.o1.gs	Method	GENSCAN
Start	668	End	1604
GI	none	Score	.96
Exons	668..1031, 1176..1378, 1509..1604		

Seq. No.	9970	Seq. ID	OJ990330_20.9819.C2
Gene No.	21259	Strand	-
Start	5981	End	7067
Name	OJ990330_20.9819.C2.o3.gs	Method	GENSCAN
Start	5981	End	7067
GI	none	Score	.7
Exons	5981..6340, 6350..6460, 6557..6832, 6972..7067		

Seq. No.	9970	Seq. ID	OJ990330_20.9819.C2
Gene No.	21260	Strand	-
Start	11948	End	12747
Name	OJ990330_20.9819.C2.o5.gs	Method	GENSCAN
Start	11948	End	12707
GI	none	Score	.62
Exons	11948..12189, 12270..12495, 12612..12707		

Seq. No.	9970	Seq. ID	OJ990330_20.9819.C2
Gene No.	21260	Strand	-
Start	11948	End	12747
Name	OJ990330_20.9819.C2.o1.gp	Method	AAT/GAP
Start	12449	End	12747
GI	LIB3434-052-P1-K1-G2	Score	305
Exons	12449..12495, 12612..12747		
GI Descrip.	'5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]'		

Seq. No.	9970	Seq. ID	OJ990330_20.9819.C2
Gene No.	21261	Strand	-
Start	17421	End	18207
Name	OJ990330_20.9819.C2.o7.gs	Method	GENSCAN
Start	17421	End	18207
GI	none	Score	.75
Exons	17421..17635, 17763..17997, 18112..18207		

Seq. No.	9970	Seq. ID	OJ990330_20.9819.C2
Gene No.	21262	Strand	-
Start	18773	End	21094
Name	OJ990330_20.9819.C2.o8.gs	Method	GENSCAN
Start	18773	End	21094
GI	none	Score	.72
Exons	18773..18841, 20294..20442, 20592..20892, 20987..21094		

Seq. No.	9970	Seq. ID	OJ990330_20.9819.C2
Gene No.	21263	Strand	-
Start	26988	End	27155
Name	OJ990330_20.9819.C2.o5.tw	Method	TBLASTX:Wheat
Start	1233	End	18241
GI	none	Score	113
Exons	1233..1370, 1265..1384, 1512..1616, 1512..1607, 6719..6838, 6720..6806, 6975..7073, 6975..7073, 6982..7095, 12352..12471, 12353..12469, 12591..12743, 12622..12744, 17881..17976, 17882..17968, 18091..18240, 18122..18241		

Seq. No.	9970	Seq. ID	OJ990330_20.9819.C2
Gene No.	21263	Strand	-
Start	26988	End	27155
Name	OJ990330_20.9819.C2.o4.tw	Method	TBLASTX:Wheat
Start	22805	End	23156
GI	none	Score	108
Exons	22805..22936, 22895..23146, 22903..23145, 22905..23156		

Seq. No.	9970	Seq. ID	OJ990330_20.9819.C2
Gene No.	21263	Strand	-
Start	26988	End	27155
Name	OJ990330_20.9819.C2.o1.ts	Method	TBLASTX:Soybean
Start	22934	End	23218
GI	none	Score	237
Exons	22934..23146, 22936..23142, 23153..23218		

Seq. No.	9970	Seq. ID	OJ990330_20.9819.C2
Gene No.	21263	Strand	-
Start	26988	End	27155
Name	OJ990330_20.9819.C2.o2.tc	Method	TBLASTX:Cress
Start	23333	End	23551
GI	none	Score	209
Exons	23333..23551, 23335..23388, 23428..23523		

Seq. No.	9970	Seq. ID	OJ990330_20.9819.C2
Gene No.	21263	Strand	-
Start	26988	End	27155
Name	OJ990330_20.9819.C2.o2.tw	Method	TBLASTX:Wheat
Start	23372	End	23840
GI	none	Score	72
Exons	23372..23425, 23380..23424, 23426..23530, 23437..23526, 23544..23624, 23544..23630, 23545..23631, 23611..23835, 23632..23835, 23634..23840		

Seq. No.	9970	Seq. ID	OJ990330_20.9819.C2
Gene No.	21263	Strand	-
Start	26988	End	27155

Name	OJ990330_20.9819.C2.o1.tm	Method	TBLASTX:Maize
Start	23417	End	23874
GI	none	Score	108
Exons	23417..23545, 23429..23551, 23544..23669, 23545..23670, 23680..23874		

Seq. No.	9970	Seq. ID	OJ990330_20.9819.C2
Gene No.	21263	Strand	-
Start	26988	End	27155
Name	OJ990330_20.9819.C2.o2.ts	Method	TBLASTX:Soybean
Start	23704	End	23946
GI	none	Score	215
Exons	23704..23946		

Seq. No.	9970	Seq. ID	OJ990330_20.9819.C2
Gene No.	21263	Strand	-
Start	26988	End	27155
Name	OJ990330_20.9819.C2.o3.tw	Method	TBLASTX:Wheat
Start	23980	End	24389
GI	none	Score	85
Exons	23980..24042, 23982..24029, 24048..24230, 24052..24270, 24303..24389, 24304..24387		

Seq. No.	9970	Seq. ID	OJ990330_20.9819.C2
Gene No.	21263	Strand	-
Start	26988	End	27155
Name	OJ990330_20.9819.C2.o1.tw	Method	TBLASTX:Wheat
Start	24390	End	25707
GI	none	Score	334
Exons	24390..25115, 24390..25292, 24391..25308, 25302..25349, 25303..25350, 25307..25342, 25350..25445, 25354..25413, 25392..25532, 25393..25533, 25461..25541, 25546..25626, 25615..25707		

Seq. No.	9970	Seq. ID	OJ990330_20.9819.C2
Gene No.	21263	Strand	-
Start	26988	End	27155
Name	OJ990330_20.9819.C2.o2.tm	Method	TBLASTX:Maize
Start	24433	End	24747
GI	none	Score	316
Exons	24433..24747, 24444..24746		

Seq. No.	9970	Seq. ID	OJ990330_20.9819.C2
Gene No.	21263	Strand	-
Start	26988	End	27155
Name	OJ990330_20.9819.C2.o1.tc	Method	TBLASTX:Cress
Start	24674	End	25125
GI	none	Score	172
Exons	24674..24856, 24678..25115, 24678..25121, 24682..25125, 24688..25125		

Seq. No.	9970	Seq. ID	OJ990330_20.9819.C2
Gene No.	21263	Strand	-
Start	26988	End	27155
Name	OJ990330_20.9819.C2.o10.gs	Method	GENSCAN
Start	26988	End	27155
GI	none	Score	.73

Exons	26988..27155		
Seq. No.	9971	Seq. ID	OJ990330_20.9819.C3
Gene No.	21264	Strand	+
Start	220	End	17720
Name	OJ990330_20.9819.C3.o1.gp	Method	AAT/GAP
Start	220	End	17720
GI	LIB3477-003-P1-K1-E9	Score	124
Exons	220..276, 4982..5027, 8071..8094, 17700..17720		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	9971	Seq. ID	OJ990330_20.9819.C3
Gene No.	21264	Strand	+
Start	220	End	17720
Name	OJ990330_20.9819.C3.o1.np	Method	AAT/NAP
Start	1067	End	4720
GI	4680204	Score	1039
Exons	1067..2503, 2578..3675, 3785..3958, 4055..4274, 4625..4720		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		
Seq. No.	9971	Seq. ID	OJ990330_20.9819.C3
Gene No.	21264	Strand	+
Start	220	End	17720
Name	OJ990330_20.9819.C3.o2.np	Method	AAT/NAP
Start	5895	End	6963
GI	6907106	Score	422
Exons	5895..6088, 6242..6695, 6767..6963		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	9971	Seq. ID	OJ990330_20.9819.C3
Gene No.	21264	Strand	+
Start	220	End	17720
Name	OJ990330_20.9819.C3.o3.gp	Method	AAT/GAP
Start	7125	End	7467
GI	15591_1.R1084	Score	390
Exons	7125..7160, 7230..7467		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 2.0e-14 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		
Seq. No.	9971	Seq. ID	OJ990330_20.9819.C3
Gene No.	21264	Strand	+
Start	220	End	17720
Name	OJ990330_20.9819.C3.o3.np	Method	AAT/NAP
Start	10461	End	15187
GI	6598399	Score	1669
Exons	10461..13075, 14486..15187		
GI Descrip.	(AC003952) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		
Seq. No.	9971	Seq. ID	OJ990330_20.9819.C3
Gene No.	21265	Strand	+
Start	27497	End	27574
Name	OJ990330_20.9819.C3.o4.gp	Method	AAT/GAP
Start	27497	End	27574

GI	uC-osflM202097d10b1	Score	87
Exons	27497..27574		
GI Descrip.	'4062935/dbj|AB003495.1|AB003495 3.0e-14 Oryza sativa DNA for dihydroflavonol 4-reductase, complete cds'		

Seq. No.	9971	Seq. ID	OJ990330_20.9819.C3
Gene No.	21266	Strand	+
Start	45302	End	47248
Name	OJ990330_20.9819.C3.o8.gs	Method	GENSCAN
Start	45302	End	47248
GI	none	Score	.4
Exons	45302..45438, 46236..46327, 46860..47248		

Seq. No.	9971	Seq. ID	OJ990330_20.9819.C3
Gene No.	21267	Strand	-
Start	5104	End	5246
Name	OJ990330_20.9819.C3.o2.gp	Method	AAT/GAP
Start	5104	End	5246
GI	21474_1.R1084	Score	241
Exons	5104..5246		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	9971	Seq. ID	OJ990330_20.9819.C3
Gene No.	21268	Strand	-
Start	16829	End	17061
Name	OJ990330_20.9819.C3.o2.gs	Method	GENSCAN
Start	16829	End	17061
GI	none	Score	.73
Exons	16829..16936, 16966..17061		

Seq. No.	9971	Seq. ID	OJ990330_20.9819.C3
Gene No.	21269	Strand	-
Start	18259	End	19531
Name	OJ990330_20.9819.C3.o3.gs	Method	GENSCAN
Start	18259	End	19531
GI	none	Score	.93
Exons	18259..18417, 18458..18665, 18764..18979, 19120..19277, 19436..19531		

Seq. No.	9971	Seq. ID	OJ990330_20.9819.C3
Gene No.	21270	Strand	-
Start	21208	End	27116
Name	OJ990330_20.9819.C3.o4.gs	Method	GENSCAN
Start	21208	End	27116
GI	none	Score	.68
Exons	21208..21432, 22155..22250, 22645..22706, 22978..23185, 25997..26255, 26408..26589, 26967..27116		

Seq. No.	9971	Seq. ID	OJ990330_20.9819.C3
Gene No.	21271	Strand	-
Start	33967	End	35069
Name	OJ990330_20.9819.C3.o6.gs	Method	GENSCAN
Start	33967	End	35069
GI	none	Score	.9
Exons	33967..34456, 34575..34806, 34922..35069		

Seq. No.	9971	Seq. ID	OJ990330_20.9819.C3
Gene No.	21272	Strand	-
Start	35298	End	45098
Name	OJ990330_20.9819.C3.o3.tw	Method	TBLASTX:Wheat
Start	1710	End	2113
GI	none	Score	227
Exons	1710..1820, 1712..1948, 1712..1861, 1813..1980, 1943..2113		

Seq. No.	9971	Seq. ID	OJ990330_20.9819.C3
Gene No.	21272	Strand	-
Start	35298	End	45098
Name	OJ990330_20.9819.C3.o6.tw	Method	TBLASTX:Wheat
Start	3602	End	4124
GI	none	Score	60
Exons	3602..3682, 3771..3953, 3821..3946, 4053..4124		

Seq. No.	9971	Seq. ID	OJ990330_20.9819.C3
Gene No.	21272	Strand	-
Start	35298	End	45098
Name	OJ990330_20.9819.C3.o1.tm	Method	TBLASTX:Maize
Start	6456	End	6864
GI	none	Score	119
Exons	6456..6599, 6463..6600, 6478..6600, 6543..6602, 6599..6730, 6600..6725, 6615..6701, 6734..6853, 6801..6851, 6820..6864		

Seq. No.	9971	Seq. ID	OJ990330_20.9819.C3
Gene No.	21272	Strand	-
Start	35298	End	45098
Name	OJ990330_20.9819.C3.o4.tw	Method	TBLASTX:Wheat
Start	10786	End	22553
GI	none	Score	278
Exons	10786..10944, 10787..11089, 10969..11088, 22434..22553		

Seq. No.	9971	Seq. ID	OJ990330_20.9819.C3
Gene No.	21272	Strand	-
Start	35298	End	45098
Name	OJ990330_20.9819.C3.o5.tw	Method	TBLASTX:Wheat
Start	11804	End	12046
GI	none	Score	215
Exons	11804..12046, 11854..12045		

Seq. No.	9971	Seq. ID	OJ990330_20.9819.C3
Gene No.	21272	Strand	-
Start	35298	End	45098
Name	OJ990330_20.9819.C3.o2.tm	Method	TBLASTX:Maize
Start	11951	End	12943
GI	none	Score	86
Exons	11951..12115, 12086..12421, 12199..12417, 12455..12583, 12665..12856, 12914..12943		

Seq. No.	9971	Seq. ID	OJ990330_20.9819.C3
Gene No.	21272	Strand	-
Start	35298	End	45098
Name	OJ990330_20.9819.C3.o1.tw	Method	TBLASTX:Wheat
Start	12050	End	12472
GI	none	Score	429
Exons	12050..12472, 12053..12373, 12193..12471		

Seq. No.	9971	Seq. ID	OJ990330_20.9819.C3
Gene No.	21272	Strand	-
Start	35298	End	45098
Name	OJ990330_20.9819.C3.o1.ts	Method	TBLASTX:Soybean
Start	12329	End	12703
GI	none	Score	203
Exons	12329..12613, 12665..12703		

Seq. No.	9971	Seq. ID	OJ990330_20.9819.C3
Gene No.	21272	Strand	-
Start	35298	End	45098
Name	OJ990330_20.9819.C3.o2.tw	Method	TBLASTX:Wheat
Start	12635	End	13018
GI	none	Score	408
Exons	12635..13018, 12664..12885, 12710..13015		

Seq. No.	9971	Seq. ID	OJ990330_20.9819.C3
Gene No.	21272	Strand	-
Start	35298	End	45098
Name	OJ990330_20.9819.C3.o3.tm	Method	TBLASTX:Maize
Start	14476	End	14782
GI	none	Score	118
Exons	14476..14616, 14480..14593, 14644..14745, 14645..14782, 14735..14782		

Seq. No.	9971	Seq. ID	OJ990330_20.9819.C3
Gene No.	21272	Strand	-
Start	35298	End	45098
Name	OJ990330_20.9819.C3.o7.gs	Method	GENSCAN
Start	35298	End	45098
GI	none	Score	.71
Exons	35298..35324, 35526..35711, 36929..37211, 37700..37863, 38034..38237, 40762..40854, 41484..41805, 42152..42215, 42497..42602, 44265..44568, 44667..44881, 45003..45098		

Seq. No.	9972	Seq. ID	OJ990330_20.9819.C4
Gene No.	21273	Strand	-
Start	283	End	820
Name	OJ990330_20.9819.C4.o1.gs	Method	GENSCAN
Start	283	End	820
GI	none	Score	.78
Exons	283..461, 757..820		

Seq. No.	9973	Seq. ID	OJ990330_20.9819.C5
Gene No.	21274	Strand	-
Start	70	End	671
Name	OJ990330_20.9819.C5.o1.gs	Method	GENSCAN
Start	70	End	671
GI	none	Score	.65
Exons	70..258, 281..382, 524..671		

Seq. No.	9974	Seq. ID	OJ990430_28.9819.C1
Gene No.	21275	Strand	+
Start	1	End	1000
Name	OJ990430_28.9819.C1.o1.np	Method	AAT/NAP
Start	1	End	1000

GI	4894628	Score	68
Exons	1..276, 608..677, 903..1000		
GI Descrip.	(AF124369) NT3 [Nicotiana tabacum]		

Seq. No.	9974	Seq. ID	OJ990430_28.9819.C1
Gene No.	21275	Strand	+
Start	1	End	1000
Name	OJ990430_28.9819.C1.o1.tm	Method	TBLASTX:Maize
Start	190	End	1000
GI	none	Score	142
Exons	190..276, 191..277, 192..278, 746..886, 746..898, 753..905,	573..677, 587..718, 587..685, 959..1000, 960..992	

Seq. No.	9974	Seq. ID	OJ990430_28.9819.C1
Gene No.	21275	Strand	+
Start	1	End	1000
Name	OJ990430_28.9819.C1.o1.gs	Method	GENSCAN
Start	618	End	677
GI	none	Score	.87
Exons	618..677		

Seq. No.	9975	Seq. ID	OJ990430_28.9819.C4
Gene No.	21276	Strand	+
Start	76	End	301
Name	OJ990430_28.9819.C4.o1.gs	Method	GENSCAN
Start	76	End	301
GI	none	Score	.83
Exons	76..192, 197..301		

Seq. No.	9976	Seq. ID	OJ990430_28.9819.C5
Gene No.	21277	Strand	+
Start	1555	End	4833
Name	OJ990430_28.9819.C5.o1.gs	Method	GENSCAN
Start	1555	End	4833
GI	none	Score	.61
Exons	1555..1648, 3998..4149, 4321..4378, 4742..4833		

Seq. No.	9976	Seq. ID	OJ990430_28.9819.C5
Gene No.	21278	Strand	-
Start	5593	End	6706
Name	OJ990430_28.9819.C5.o2.gs	Method	GENSCAN
Start	5593	End	6587
GI	none	Score	.78
Exons	5593..5867, 6213..6264, 6340..6587		

Seq. No.	9976	Seq. ID	OJ990430_28.9819.C5
Gene No.	21278	Strand	-
Start	5593	End	6706
Name	OJ990430_28.9819.C5.o1.np	Method	AAT/NAP
Start	5596	End	6706
GI	6630681	Score	1050
Exons	5596..5867, 6213..6264, 6340..6706		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6815073|dbj|BAA90360.1| (AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	9977	Seq. ID	OJ990430_28.9819.C6

Gene No.	21279	Strand	+
Start	294	End	5045
Name	OJ990430_28.9819.C6.o1.gs	Method	GENSCAN
Start	294	End	5045
GI	none	Score	.7
Exons	294..369, 2599..2825, 3865..3901, 4434..4615, 4785..5045		

Seq. No.	9977	Seq. ID	OJ990430_28.9819.C6
Gene No.	21279	Strand	+
Start	294	End	5045
Name	OJ990430_28.9819.C6.o1.np	Method	AAT/NAP
Start	2232	End	5042
GI	6630682	Score	1049
Exons	2232..2281, 2599..2825, 4648..5042		
GI Descrip.	(AP000969) EST D22716(C1010) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815074|dbj|BAA90361.1| (AP001080) EST D22716(C1010) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	9977	Seq. ID	OJ990430_28.9819.C6
Gene No.	21280	Strand	-
Start	5322	End	7001
Name	OJ990430_28.9819.C6.o2.gs	Method	GENSCAN
Start	5322	End	7001
GI	none	Score	.59
Exons	5322..5467, 5744..5827, 6157..6232, 6623..6784, 6912..7001		

Seq. No.	9977	Seq. ID	OJ990430_28.9819.C6
Gene No.	21280	Strand	-
Start	5322	End	7001
Name	OJ990430_28.9819.C6.o2.gp	Method	AAT/GAP
Start	5369	End	5757
GI	none	Score	725
Exons	5369..5757		

Seq. No.	9977	Seq. ID	OJ990430_28.9819.C6
Gene No.	21280	Strand	-
Start	5322	End	7001
Name	OJ990430_28.9819.C6.o1.tm	Method	TBLASTX:Maize
Start	5514	End	6785
GI	none	Score	119
Exons	5514..5630, 5515..5631, 5733..5828, 5739..5828, 5740..5829, 5744..5830, 5744..5830, 6621..6785, 6621..6782, 6623..6784		

Seq. No.	9977	Seq. ID	OJ990430_28.9819.C6
Gene No.	21280	Strand	-
Start	5322	End	7001
Name	OJ990430_28.9819.C6.o2.np	Method	AAT/NAP
Start	5523	End	6784
GI	6630683	Score	523
Exons	5523..5627, 5744..5827, 6623..6784		
GI Descrip.	(AP000969) EST C25991(C11435) corresponds to a region of the predicted gene.; Similar to similar to PHZF, catalyzing the hydroxylation of phenazine-1-carboxylic acid to 2-hydroxy-phenazine-1-carboxylic acid. (AC004044) [Oryza... gi|6815075|dbj|BAA90362.1| (AP001080) EST C25991(C11435)		

corresponds to a region of the predicted gene.; Similar to similar to PHZF, catalyzing

Seq. No.	9978	Seq. ID	OJ990430_28.9819.C7
Gene No.	21281	Strand	+
Start	182	End	543
Name	OJ990430_28.9819.C7.o1.gs	Method	GENSCAN
Start	182	End	543
GI	none	Score	.94
Exons	182..273, 402..543		

Seq. No.	9978	Seq. ID	OJ990430_28.9819.C7
Gene No.	21282	Strand	-
Start	1	End	198
Name	OJ990430_28.9819.C7.o1.np	Method	AAT/NAP
Start	1	End	198
GI	6630683	Score	102
Exons	1..70, 169..198		
GI Descrip.	(AP000969) EST C25991(C11435) corresponds to a region of the predicted gene.; Similar to similar to PHZF, catalyzing the hydroxylation of phenazine-1-carboxylic acid to 2-hydroxy-phenazine-1-carboxylic acid. (AC004044) [Oryza... gi|6815075|dbj|BAA90362.1| (AP001080) EST C25991(C11435) corresponds to a region of the predicted gene.; Similar to similar to PHZF, catalyzing		

Seq. No.	9978	Seq. ID	OJ990430_28.9819.C7
Gene No.	21283	Strand	-
Start	1087	End	1357
Name	OJ990430_28.9819.C7.o1.gp	Method	AAT/GAP
Start	1087	End	1352
GI	none	Score	474
Exons	1087..1352		

Seq. No.	9978	Seq. ID	OJ990430_28.9819.C7
Gene No.	21283	Strand	-
Start	1087	End	1357
Name	OJ990430_28.9819.C7.o2.gs	Method	GENSCAN
Start	1245	End	1350
GI	none	Score	.82
Exons	1245..1350		

Seq. No.	9978	Seq. ID	OJ990430_28.9819.C7
Gene No.	21283	Strand	-
Start	1087	End	1357
Name	OJ990430_28.9819.C7.o2.np	Method	AAT/NAP
Start	1248	End	1357
GI	6630684	Score	144
Exons	1248..1357		
GI Descrip.	(AP000969) ESTs AU070430(S15424), AU082086(E11580) correspond to a region of the predicted gene.; Similar to MF1. (AB011804) [Oryza sativa] gi|6815076|dbj|BAA90363.1| (AP001080) ESTs AU070430(S15424),AU082086(E11580) correspond to a region of the predicted gene.; Similar to MF1. (AB011804) [Oryza sativa]		

Seq. No.	9979	Seq. ID	OJ990430_28.9819.C11
Gene No.	21284	Strand	+

Start	429	End	852
Name	OJ990430_28.9819.C11.o1.np	Method	AAT/NAP
Start	429	End	758
GI	6815065	Score	592
Exons	429..758		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	9979	Seq. ID	OJ990430_28.9819.C11
Gene No.	21284	Strand	+
Start	429	End	852
Name	OJ990430_28.9819.C11.o1.gs	Method	GENSCAN
Start	436	End	852
GI	none	Score	.75
Exons	436..622, 689..852		

Seq. No.	9980	Seq. ID	OJ990430_28.9819.C12
Gene No.	21285	Strand	-
Start	303	End	590
Name	OJ990430_28.9819.C12.o1.np	Method	AAT/NAP
Start	303	End	590
GI	6815062	Score	401
Exons	303..590		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	9981	Seq. ID	OJ990430_28.9819.C13
Gene No.	21286	Strand	-
Start	326	End	1451
Name	OJ990430_28.9819.C13.o1.gp	Method	AAT/GAP
Start	326	End	678
GI	none	Score	538
Exons	326..678		

Seq. No.	9981	Seq. ID	OJ990430_28.9819.C13
Gene No.	21286	Strand	-
Start	326	End	1451
Name	OJ990430_28.9819.C13.o1.np	Method	AAT/NAP
Start	329	End	1451
GI	6815067	Score	1789
Exons	329..1451		
GI Descrip.	(AP001080) ESTs AU082210(C53655),AU056546(S20671), AU056545(S20671) correspond to a region of the predicted gene.; Similar to putative RNA-binding protein (AC004261) [Oryza sativa]		

Seq. No.	9981	Seq. ID	OJ990430_28.9819.C13
Gene No.	21286	Strand	-
Start	326	End	1451
Name	OJ990430_28.9819.C13.o1.gs	Method	GENSCAN
Start	382	End	1387
GI	none	Score	.52
Exons	382..597, 747..1387		

Seq. No.	9981	Seq. ID	OJ990430_28.9819.C13
Gene No.	21286	Strand	-
Start	326	End	1451

Name	OJ990430_28.9819.C13.o1.tm	Method	TBLASTX:Maize
Start	675	End	1332
GI	none	Score	227
Exons	675..989, 676..1014, 702..1025, 749..1018, 1081..1143, 1082..1144, 1087..1332, 1088..1261		

Seq. No.	9981	Seq. ID	OJ990430_28.9819.C13
Gene No.	21286	Strand	-
Start	326	End	1451
Name	OJ990430_28.9819.C13.o1.tc	Method	TBLASTX:Cress
Start	748	End	1360
GI	none	Score	284
Exons	748..1011, 749..1012, 760..1014, 760..1011, 778..951, 872..1000, 1087..1332, 1088..1261, 1090..1359, 1091..1360		

Seq. No.	9981	Seq. ID	OJ990430_28.9819.C13
Gene No.	21286	Strand	-
Start	326	End	1451
Name	OJ990430_28.9819.C13.o1.ts	Method	TBLASTX:Soybean
Start	748	End	1393
GI	none	Score	232
Exons	748..1014, 749..1018, 754..999, 765..1019, 815..1012, 1087..1365, 1088..1393, 1093..1332		

Seq. No.	9981	Seq. ID	OJ990430_28.9819.C13
Gene No.	21286	Strand	-
Start	326	End	1451
Name	OJ990430_28.9819.C13.o2.gp	Method	AAT/GAP
Start	832	End	1451
GI	7329_1.R1084	Score	1087
Exons	832..1451		
GI Descrip.	'3402711 2.0e-33 (AC004261) putative RNA-binding protein [Arabidopsis thaliana]'		

Seq. No.	9982	Seq. ID	OJ990430_28.9819.C14
Gene No.	21287	Strand	-
Start	1901	End	2478
Name	OJ990430_28.9819.C14.o1.gs	Method	GENSCAN
Start	1901	End	2230
GI	none	Score	.8
Exons	1901..2230		

Seq. No.	9982	Seq. ID	OJ990430_28.9819.C14
Gene No.	21287	Strand	-
Start	1901	End	2478
Name	OJ990430_28.9819.C14.o1.ts	Method	TBLASTX:Soybean
Start	1964	End	2231
GI	none	Score	157
Exons	1964..2230, 1965..2231		

Seq. No.	9982	Seq. ID	OJ990430_28.9819.C14
Gene No.	21287	Strand	-
Start	1901	End	2478
Name	OJ990430_28.9819.C14.o1.np	Method	AAT/NAP
Start	1970	End	2478
GI	6815066	Score	253
Exons	1970..2195, 2421..2478		

GI Descrip.	(AP001080) EST C26866(C50282) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	9983	Seq. ID	OJ990430_28.9819.C15
Gene No.	21288	Strand	+
Start	2093	End	4295
Name	OJ990430_28.9819.C15.o1.gs	Method	GENSCAN
Start	2093	End	4295
GI	none	Score	.65
Exons	2093..2242, 3976..4057, 4108..4295		
Seq. No.	9983	Seq. ID	OJ990430_28.9819.C15
Gene No.	21289	Strand	+
Start	5260	End	5553
Name	OJ990430_28.9819.C15.o2.gp	Method	AAT/GAP
Start	5260	End	5553
GI	none	Score	561
Exons	5260..5553		
Seq. No.	9983	Seq. ID	OJ990430_28.9819.C15
Gene No.	21290	Strand	-
Start	1	End	2274
Name	OJ990430_28.9819.C15.o1.np	Method	AAT/NAP
Start	1	End	2184
GI	6815066	Score	494
Exons	1..29, 917..1021, 1093..1186, 1988..2184		
GI Descrip.	(AP001080) EST C26866(C50282) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	9983	Seq. ID	OJ990430_28.9819.C15
Gene No.	21290	Strand	-
Start	1	End	2274
Name	OJ990430_28.9819.C15.o1.ts	Method	TBLASTX:Soybean
Start	926	End	2064
GI	none	Score	48
Exons	926..1021, 933..1022, 1081..1197, 1088..1189, 1963..2064		
Seq. No.	9983	Seq. ID	OJ990430_28.9819.C15
Gene No.	21290	Strand	-
Start	1	End	2274
Name	OJ990430_28.9819.C15.o1.gp	Method	AAT/GAP
Start	947	End	2274
GI	none	Score	814
Exons	947..1021, 1093..1188, 1989..2274		
Seq. No.	9983	Seq. ID	OJ990430_28.9819.C15
Gene No.	21291	Strand	
Start	5357	End	5605
Name	OJ990430_28.9819.C15.o1.tm	Method	TBLASTX:Maize
Start	5357	End	5605
GI	none	Score	129
Exons	5357..5377, 5372..5518, 5377..5520, 5398..5520, 5417..5533, 5507..5554, 5521..5598, 5522..5605, 5523..5597		
Seq. No.	9984	Seq. ID	OJ990430_28.9819.C16
Gene No.	21292	Strand	+
Start	8012	End	12279

Name	OJ990430_28.9819.C16.o2.gs	Method	GENSCAN
Start	8012	End	12279
GI	none	Score	.76
Exons	8012..8170, 9329..9887, 9977..10130, 10829..10990, 11364..11454, 11611..11682, 11768..12279		

Seq. No.	9984	Seq. ID	OJ990430_28.9819.C16
Gene No.	21292	Strand	+
Start	8012	End	12279
Name	OJ990430_28.9819.C16.o2.np	Method	AAT/NAP
Start	8012	End	12279
GI	6815069	Score	2879
Exons	8012..8170, 9329..9887, 9977..10130, 10829..10990, 11364..11454, 11611..11682, 11768..12279		
GI Descrip.	(AP001080) Similar to KIAA0731 protein (AB018274) [Oryza sativa]		

Seq. No.	9984	Seq. ID	OJ990430_28.9819.C16
Gene No.	21293	Strand	-
Start	719	End	6088
Name	OJ990430_28.9819.C16.o1.gp	Method	AAT/GAP
Start	551	End	707
GI	2798499	Score	212
Exons	551..707		

Seq. No.	9984	Seq. ID	OJ990430_28.9819.C16
Gene No.	21293	Strand	-
Start	719	End	6088
Name	OJ990430_28.9819.C16.o2.tw	Method	TBLASTX:Wheat
Start	715	End	1999
GI	none	Score	105
Exons	715..822, 716..823, 717..845, 1814..1999, 1853..1999		

Seq. No.	9984	Seq. ID	OJ990430_28.9819.C16
Gene No.	21293	Strand	-
Start	719	End	6088
Name	OJ990430_28.9819.C16.o1.gs	Method	GENSCAN
Start	719	End	6088
GI	none	Score	.46
Exons	719..822, 1855..2040, 2302..2341, 2383..2524, 3151..3231, 3560..3657, 3732..3996, 5087..5185, 5720..5774, 6046..6088		

Seq. No.	9984	Seq. ID	OJ990430_28.9819.C16
Gene No.	21293	Strand	-
Start	719	End	6088
Name	OJ990430_28.9819.C16.o1.np	Method	AAT/NAP
Start	722	End	4242
GI	6815068	Score	1427
Exons	722..822, 1855..2056, 2152..2301, 2383..2524, 3151..3231, 3860..3996, 4083..4242		
GI Descrip.	(AP001080) Similar to putative translin (AC006836) [Oryza sativa]		

Seq. No.	9984	Seq. ID	OJ990430_28.9819.C16
Gene No.	21293	Strand	-
Start	719	End	6088
Name	OJ990430_28.9819.C16.o2.ts	Method	TBLASTX:Soybean
Start	1855	End	2056

GI	none	Score	65
Exons	1855..1959, 1856..1957, 1857..1991, 1950..2012, 1952..2011, 2009..2056		

Seq. No.	9984	Seq. ID	OJ990430_28.9819.C16
Gene No.	21293	Strand	-
Start	719	End	6088
Name	OJ990430_28.9819.C16.o1.tm	Method	TBLASTX:Maize
Start	1925	End	3905
GI	none	Score	171
Exons	1925..2056, 1926..2057, 1929..2057, 2149..2307, 2151..2300, 2152..2307, 2366..2527, 2380..2526, 3150..3224, 3153..3218, 3860..3904, 3861..3905, 3861..3905		

Seq. No.	9984	Seq. ID	OJ990430_28.9819.C16
Gene No.	21293	Strand	-
Start	719	End	6088
Name	OJ990430_28.9819.C16.o1.ts	Method	TBLASTX:Soybean
Start	2162	End	3224
GI	none	Score	83
Exons	2162..2299, 2164..2301, 2164..2301, 2366..2527, 2380..2526, 3150..3224, 3150..3224		

Seq. No.	9984	Seq. ID	OJ990430_28.9819.C16
Gene No.	21294	Strand	
Start	9634	End	10135
Name	OJ990430_28.9819.C16.o1.tw	Method	TBLASTX:Wheat
Start	9634	End	10135
GI	none	Score	110
Exons	9634..9705, 9635..9706, 9635..9706, 9636..9707, 9696..9887, 9703..9888, 9703..9888, 9704..9889, 9970..10062, 9971..10060, 10030..10089, 10055..10135, 10087..10125		

Seq. No.	9985	Seq. ID	OJ990430_28.9819.C17
Gene No.	21295	Strand	+
Start	341	End	3327
Name	OJ990430_28.9819.C17.o1.np	Method	AAT/NAP
Start	341	End	3324
GI	6815069	Score	1548
Exons	341..416, 1103..1407, 1703..1843, 1978..2041, 2266..2411, 2506..2610, 3147..3324		
GI Descrip.	(AP001080) Similar to KIAA0731 protein (AB018274) [Oryza sativa]		

Seq. No.	9985	Seq. ID	OJ990430_28.9819.C17
Gene No.	21295	Strand	+
Start	341	End	3327
Name	OJ990430_28.9819.C17.o1.gs	Method	GENSCAN
Start	351	End	3327
GI	none	Score	.78
Exons	351..416, 1103..1407, 1703..1843, 2506..2582, 3173..3327		

Seq. No.	9985	Seq. ID	OJ990430_28.9819.C17
Gene No.	21296	Strand	+
Start	8004	End	8419
Name	OJ990430_28.9819.C17.o1.tm	Method	TBLASTX:Maize
Start	357	End	2617
GI	none	Score	71

Exons	357..416, 1110..1307, 1114..1314, 1114..1311, 1115..1315, 1310..1405, 1330..1410, 1336..1401, 1702..1845, 1704..1847, 1706..1846, 1974..1997, 1976..2041, 2008..2040, 2245..2418, 2267..2410, 2268..2417, 2474..2617, 2510..2602, 2510..2602, 2511..2603		
Seq. No.	9985	Seq. ID	OJ990430_28.9819.C17
Gene No.	21296	Strand	+
Start	8004	End	8419
Name	OJ990430_28.9819.C17.o1.tc	Method	TBLASTX:Cress
Start	1337	End	3258
GI	none	Score	69
Exons	1337..1396, 1751..1846, 1752..1844, 1976..2041, 2245..2433, 2259..2426, 2269..2415, 2501..2617, 2501..2617, 3157..3258, 3180..3251		
Seq. No.	9985	Seq. ID	OJ990430_28.9819.C17
Gene No.	21296	Strand	+
Start	8004	End	8419
Name	OJ990430_28.9819.C17.o1.ts	Method	TBLASTX:Soybean
Start	1730	End	3258
GI	none	Score	80
Exons	1730..1825, 1730..1846, 1731..1844, 1976..2041, 2248..2415, 2259..2429, 2263..2418, 2495..2611, 2501..2617, 3181..3258		
Seq. No.	9985	Seq. ID	OJ990430_28.9819.C17
Gene No.	21296	Strand	+
Start	8004	End	8419
Name	OJ990430_28.9819.C17.o2.tm	Method	TBLASTX:Maize
Start	3147	End	3596
GI	none	Score	92
Exons	3147..3251, 3148..3288, 3156..3251, 3257..3376, 3278..3406, 3348..3392, 3396..3455, 3426..3488, 3429..3494, 3430..3489, 3525..3596, 3530..3595		
Seq. No.	9985	Seq. ID	OJ990430_28.9819.C17
Gene No.	21296	Strand	+
Start	8004	End	8419
Name	OJ990430_28.9819.C17.o2.np	Method	AAT/NAP
Start	8004	End	8419
GI	6815070	Score	569
Exons	8004..8419		
GI Descrip.	(AP001080) EST AU070319(S10788) corresponds to a region of the predicted gene.; Similar to RING-H2 finger protein RHA2b (AC006200) [Oryza sativa]		
Seq. No.	9986	Seq. ID	OJ990430_28.9819.C18
Gene No.	21297	Strand	+
Start	1	End	401
Name	OJ990430_28.9819.C18.o1.gp	Method	AAT/GAP
Start	1	End	401
GI	5005157	Score	600
Exons	1..21, 47..401		
Seq. No.	9986	Seq. ID	OJ990430_28.9819.C18
Gene No.	21298	Strand	-
Start	527	End	646

Name	OJ990430_28.9819.C18.o1.gs	Method	GENSCAN
Start	527	End	646
GI	none	Score	.84
Exons	527..646		

Seq. No.	9987	Seq. ID	OJ990430_28.9819.C19
Gene No.	21299	Strand	+
Start	3667	End	3845
Name	OJ990430_28.9819.C19.o1.gp	Method	AAT/GAP
Start	3667	End	3845
GI	15870_2.R1084	Score	256
Exons	3667..3845		
GI Descrip.	'287403/dbj|D10838|RICSBE1 8.0e-69 Rice gene for starch branching enzyme'		

Seq. No.	9987	Seq. ID	OJ990430_28.9819.C19
Gene No.	21300	Strand	+
Start	5838	End	7811
Name	OJ990430_28.9819.C19.o2.gs	Method	GENSCAN
Start	5838	End	7700
GI	none	Score	.8
Exons	5838..5916, 6025..6153, 6358..6438, 6539..6688, 6764..6817, 7115..7249, 7534..7700		

Seq. No.	9987	Seq. ID	OJ990430_28.9819.C19
Gene No.	21300	Strand	+
Start	5838	End	7811
Name	OJ990430_28.9819.C19.o2.np	Method	AAT/NAP
Start	6559	End	7811
GI	6815072	Score	989
Exons	6559..6688, 6764..6817, 7137..7249, 7347..7689, 7783..7811		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC T13P21; hypothetical protein (AC006067) [Oryza sativa]		

Seq. No.	9987	Seq. ID	OJ990430_28.9819.C19
Gene No.	21301	Strand	-
Start	948	End	5509
Name	OJ990430_28.9819.C19.o1.np	Method	AAT/NAP
Start	663	End	1513
GI	6815071	Score	248
Exons	663..800, 1484..1513		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	9987	Seq. ID	OJ990430_28.9819.C19
Gene No.	21301	Strand	-
Start	948	End	5509
Name	OJ990430_28.9819.C19.o1.gs	Method	GENSCAN
Start	948	End	5509
GI	none	Score	.6
Exons	948..1003, 1484..1585, 2216..2275, 4893..5088, 5468..5509		

Seq. No.	9988	Seq. ID	OJ990430_28.9819.C20
Gene No.	21302	Strand	+
Start	1	End	2932
Name	OJ990430_28.9819.C20.o1.np	Method	AAT/NAP
Start	1	End	2932
GI	6815072	Score	3986

Exons	1..366, 471..757, 1157..2932		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC T13P21; hypothetical protein (AC006067) [Oryza sativa]		

Seq. No.	9988	Seq. ID	OJ990430_28.9819.C20
Gene No.	21302	Strand	+
Start	1	End	2932
Name	OJ990430_28.9819.C20.o1.tm	Method	TBLASTX:Maize
Start	53	End	532
GI	none	Score	128
Exons	53..118, 87..242, 116..205, 252..365, 469..513, 470..532		

Seq. No.	9988	Seq. ID	OJ990430_28.9819.C20
Gene No.	21302	Strand	+
Start	1	End	2932
Name	OJ990430_28.9819.C20.o1.gs	Method	GENSCAN
Start	226	End	2023
GI	none	Score	.56
Exons	226..366, 471..757, 1058..2023		

Seq. No.	9988	Seq. ID	OJ990430_28.9819.C20
Gene No.	21302	Strand	+
Start	1	End	2932
Name	OJ990430_28.9819.C20.o2.tm	Method	TBLASTX:Maize
Start	2178	End	2545
GI	none	Score	142
Exons	2178..2369, 2207..2365, 2381..2545		

Seq. No.	9988	Seq. ID	OJ990430_28.9819.C20
Gene No.	21302	Strand	+
Start	1	End	2932
Name	OJ990430_28.9819.C20.o2.gs	Method	GENSCAN
Start	2459	End	2822
GI	none	Score	.49
Exons	2459..2822		

Seq. No.	9989	Seq. ID	OJ990430_28.9819.C22
Gene No.	21303	Strand	-
Start	1	End	2081
Name	OJ990430_28.9819.C22.o1.np	Method	AAT/NAP
Start	1	End	1026
GI	6815057	Score	514
Exons	1..167, 669..848, 952..1026		
GI Descrip.	(AP001080) ESTs AU081555(E2011),C72657(E2011) correspond to a region of the predicted gene.; Similar to putative phosphoglyceride transfer protein. (AC002983) [Oryza sativa]		

Seq. No.	9989	Seq. ID	OJ990430_28.9819.C22
Gene No.	21303	Strand	-
Start	1	End	2081
Name	OJ990430_28.9819.C22.o1.gp	Method	AAT/GAP
Start	69	End	148
GI	LIB3433-029-P1-K1-G10	Score	108
Exons	69..148		
GI Descrip.	'4309969/gb|AAB81870|AAB81870 4.0e-26 (AC002983) putative phosphoglyceride transfer protein [Arabidopsis thaliana]'		

Seq. No.	9989	Seq. ID	OJ990430_28.9819.C22
Gene No.	21303	Strand	-
Start	1	End	2081
Name	OJ990430_28.9819.C22.o1.tm	Method	TBLASTX:Maize
Start	69	End	1060
GI	none	Score	129
Exons	69..167, 69..167, 70..168, 70..168, 669..854, 699..854, 949..1059, 953..1054, 959..1060		

Seq. No.	9989	Seq. ID	OJ990430_28.9819.C22
Gene No.	21303	Strand	-
Start	1	End	2081
Name	OJ990430_28.9819.C22.o1.gs	Method	GENSCAN
Start	69	End	2081
GI	none	Score	.72
Exons	69..167, 669..848, 1762..1841, 1940..2081		

Seq. No.	9989	Seq. ID	OJ990430_28.9819.C22
Gene No.	21303	Strand	-
Start	1	End	2081
Name	OJ990430_28.9819.C22.o2.gp	Method	AAT/GAP
Start	657	End	1893
GI	2428194	Score	720
Exons	657..848, 952..1065, 1762..1893		

Seq. No.	9990	Seq. ID	OJ990430_28.9819.C23
Gene No.	21304	Strand	+
Start	4666	End	5164
Name	OJ990430_28.9819.C23.o1.gp	Method	AAT/GAP
Start	4666	End	4915
GI	uC-osroM202001f03b1	Score	455
Exons	4666..4915		
GI Descrip.	'3819221/emb|AJ234438.1|HVU234438 8.0e-09 Hordeum vulgare partial mRNA; clone cMWG0721'		

Seq. No.	9990	Seq. ID	OJ990430_28.9819.C23
Gene No.	21304	Strand	+
Start	4666	End	5164
Name	OJ990430_28.9819.C23.o1.np	Method	AAT/NAP
Start	4699	End	4983
GI	6815058	Score	456
Exons	4699..4983		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	9990	Seq. ID	OJ990430_28.9819.C23
Gene No.	21304	Strand	+
Start	4666	End	5164
Name	OJ990430_28.9819.C23.o1.tm	Method	TBLASTX:Maize
Start	4741	End	4983
GI	none	Score	64
Exons	4741..4785, 4743..4784, 4780..4983, 4875..4982		

Seq. No.	9990	Seq. ID	OJ990430_28.9819.C23
Gene No.	21304	Strand	+
Start	4666	End	5164
Name	OJ990430_28.9819.C23.o1.gs	Method	GENSCAN
Start	4768	End	5164

GI	none	Score	.89
Exons	4768..4983, 5081..5164		

Seq. No.	9991	Seq. ID	OJ990430_28.9819.C24
Gene No.	21305	Strand	+
Start	1	End	274
Name	OJ990430_28.9819.C24.o1.gp	Method	AAT/GAP
Start	1	End	274
GI	54260_1.R1084	Score	440
Exons	1..274		
GI Descrip.	'58067/emb|X52325|ARBLSKP 2.0e-13 pBluescript SK(+) vector DNA, phagemid excised from lambda ZAP'		

Seq. No.	9991	Seq. ID	OJ990430_28.9819.C24
Gene No.	21306	Strand	-
Start	87	End	576
Name	OJ990430_28.9819.C24.o1.gs	Method	GENSCAN
Start	87	End	576
GI	none	Score	.67
Exons	87..154, 546..576		

Seq. No.	9991	Seq. ID	OJ990430_28.9819.C24
Gene No.	21307	Strand	-
Start	1516	End	1614
Name	OJ990430_28.9819.C24.o1.np	Method	AAT/NAP
Start	1460	End	1614
GI	5852172	Score	104
Exons	1460..1614		
GI Descrip.	(AL117265) zhb0002.1 [Oryza sativa]		

Seq. No.	9991	Seq. ID	OJ990430_28.9819.C24
Gene No.	21307	Strand	-
Start	1516	End	1614
Name	OJ990430_28.9819.C24.o2.gs	Method	GENSCAN
Start	1516	End	1603
GI	none	Score	.6
Exons	1516..1603		

Seq. No.	9992	Seq. ID	OJ990430_28.9819.C25
Gene No.	21308	Strand	-
Start	394	End	1595
Name	OJ990430_28.9819.C25.o1.gp	Method	AAT/GAP
Start	194	End	945
GI	none	Score	656
Exons	194..469, 870..945		

Seq. No.	9992	Seq. ID	OJ990430_28.9819.C25
Gene No.	21308	Strand	-
Start	394	End	1595
Name	OJ990430_28.9819.C25.o1.gs	Method	GENSCAN
Start	394	End	1462
GI	none	Score	.46
Exons	394..504, 870..951, 1404..1462		

Seq. No.	9992	Seq. ID	OJ990430_28.9819.C25
Gene No.	21308	Strand	-
Start	394	End	1595

Name	OJ990430_28.9819.C25.o1.np	Method	AAT/NAP
Start	867	End	1595
GI	6815060	Score	268
Exons	867..951, 1404..1595		
GI Descrip.	(AP001080) EST C26994(C50622) corresponds to a region of the predicted gene.; Similar to ADP-ribosylation factor. (D17760) [Oryza sativa]		

Seq. No.	9992	Seq. ID	OJ990430_28.9819.C25
Gene No.	21308	Strand	-
Start	394	End	1595
Name	OJ990430_28.9819.C25.o1.tw	Method	TBLASTX:Wheat
Start	870	End	1502
GI	none	Score	116
Exons	870..950, 871..951, 1401..1502, 1401..1490, 1402..1491, 1403..1501		

Seq. No.	9993	Seq. ID	OJ990430_28.9819.C26
Gene No.	21309	Strand	-
Start	1	End	2647
Name	OJ990430_28.9819.C26.o1.np	Method	AAT/NAP
Start	1	End	1494
GI	6815060	Score	475
Exons	1..40, 514..642, 859..929, 1347..1494		
GI Descrip.	(AP001080) EST C26994(C50622) corresponds to a region of the predicted gene.; Similar to ADP-ribosylation factor. (D17760) [Oryza sativa]		

Seq. No.	9993	Seq. ID	OJ990430_28.9819.C26
Gene No.	21309	Strand	-
Start	1	End	2647
Name	OJ990430_28.9819.C26.o1.gp	Method	AAT/GAP
Start	452	End	2647
GI	18316_1.R1084	Score	677
Exons	452..642, 859..929, 1347..1515, 2551..2647		
GI Descrip.	'1351974/sp|P49076|ARF_MAIZE 3.0e-59 ADP-RIBOSYLATION FACTOR >gi_1076788_pir__S49325 ADP-ribosylation factor - maize >gi_1076789_pir__S53486 ADP-ribosylation factor - maize >gi_556686_emb_CAA56351_ (X80042) ADP-ribosylation factor [Zea mays]'		

Seq. No.	9993	Seq. ID	OJ990430_28.9819.C26
Gene No.	21309	Strand	-
Start	1	End	2647
Name	OJ990430_28.9819.C26.o1.gs	Method	GENSCAN
Start	523	End	2472
GI	none	Score	.89
Exons	523..642, 859..929, 1347..1516, 2396..2472		

Seq. No.	9993	Seq. ID	OJ990430_28.9819.C26
Gene No.	21310	Strand	-
Start	3503	End	3798
Name	OJ990430_28.9819.C26.o1.tm	Method	TBLASTX:Maize
Start	505	End	1507
GI	none	Score	154
Exons	505..645, 523..645, 593..649, 853..981, 860..931, 1321..1506, 1346..1507		

Seq. No.	9993	Seq. ID	OJ990430_28.9819.C26
Gene No.	21310	Strand	-
Start	3503	End	3798
Name	OJ990430_28.9819.C26.o1.ts	Method	TBLASTX:Soybean
Start	508	End	1534
GI	none	Score	126
Exons	508..645, 522..632, 523..645, 593..649, 853..981, 860..931, 1321..1500, 1346..1534, 1349..1501		

Seq. No.	9993	Seq. ID	OJ990430_28.9819.C26
Gene No.	21310	Strand	-
Start	3503	End	3798
Name	OJ990430_28.9819.C26.o2.tc	Method	TBLASTX:Cress
Start	514	End	981
GI	none	Score	125
Exons	514..645, 521..643, 523..645, 593..649, 853..981, 859..930, 860..931		

Seq. No.	9993	Seq. ID	OJ990430_28.9819.C26
Gene No.	21310	Strand	-
Start	3503	End	3798
Name	OJ990430_28.9819.C26.o1.tw	Method	TBLASTX:Wheat
Start	607	End	1503
GI	none	Score	65
Exons	607..645, 608..649, 853..981, 859..930, 860..931, 1321..1497, 1346..1495, 1346..1501, 1357..1503		

Seq. No.	9993	Seq. ID	OJ990430_28.9819.C26
Gene No.	21310	Strand	-
Start	3503	End	3798
Name	OJ990430_28.9819.C26.o1.tc	Method	TBLASTX:Cress
Start	1329	End	1542
GI	none	Score	153
Exons	1329..1412, 1342..1539, 1346..1495, 1357..1542		

Seq. No.	9993	Seq. ID	OJ990430_28.9819.C26
Gene No.	21310	Strand	-
Start	3503	End	3798
Name	OJ990430_28.9819.C26.o2.gp	Method	AAT/GAP
Start	3503	End	3798
GI	5003484	Score	536
Exons	3503..3798		

Seq. No.	9994	Seq. ID	OJ990430_28.9819.C27
Gene No.	21311	Strand	-
Start	1	End	2394
Name	OJ990430_28.9819.C27.o1.np	Method	AAT/NAP
Start	1	End	2394
GI	6815061	Score	803
Exons	1..257, 344..456, 523..591, 702..785, 873..929, 1028..1090, 2172..2394		
GI Descrip.	(AP001080) ESTs AU068633(C30614),AU068634(C30614) correspond to a region of the predicted gene.; Similar to Arabidopsis thaliana unknown protein. (AF049236) [Oryza sativa]		

Seq. No.	9994	Seq. ID	OJ990430_28.9819.C27

Gene No.	21311	Strand	-
Start	1	End	2394
Name	OJ990430_28.9819.C27.o1.tm	Method	TBLASTX:Maize
Start	40	End	2229
GI	none	Score	108
Exons	40..168, 68..172, 86..256, 87..257, 88..255, 206..289, 337..510, 343..468, 468..500, 511..591, 512..592, 694..786, 694..786, 873..932, 873..938, 1016..1096, 1028..1093, 2167..2229, 2172..2228		

Seq. No.	9994	Seq. ID	OJ990430_28.9819.C27
Gene No.	21311	Strand	-
Start	1	End	2394
Name	OJ990430_28.9819.C27.o1.gp	Method	AAT/GAP
Start	88	End	737
GI	5003485	Score	695
Exons	88..257, 344..456, 523..591, 702..737		
GI Descrip.	3068714 7.0e-69 (AF049236) unknown [Arabidopsis thaliana]		

Seq. No.	9994	Seq. ID	OJ990430_28.9819.C27
Gene No.	21311	Strand	-
Start	1	End	2394
Name	OJ990430_28.9819.C27.o1.gs	Method	GENSCAN
Start	88	End	2220
GI	none	Score	.42
Exons	88..257, 344..456, 523..591, 1028..1090, 1596..1676, 2172..2220		

Seq. No.	9994	Seq. ID	OJ990430_28.9819.C27
Gene No.	21311	Strand	-
Start	1	End	2394
Name	OJ990430_28.9819.C27.o1.tc	Method	TBLASTX:Cress
Start	146	End	936
GI	none	Score	84
Exons	146..253, 343..360, 406..456, 520..591, 693..788, 697..786, 873..929, 892..936		

Seq. No.	9994	Seq. ID	OJ990430_28.9819.C27
Gene No.	21311	Strand	-
Start	1	End	2394
Name	OJ990430_28.9819.C27.o1.ts	Method	TBLASTX:Soybean
Start	149	End	459
GI	none	Score	66
Exons	149..256, 150..254, 341..457, 343..456, 346..459		

Seq. No.	9995	Seq. ID	OJ990430_28.9819.C28
Gene No.	21312	Strand	-
Start	1	End	12269
Name	OJ990430_28.9819.C28.o1.np	Method	AAT/NAP
Start	1	End	4441
GI	6815062	Score	5917
Exons	1..392, 470..568, 650..995, 1039..1244, 1337..1528, 1605..2002, 2097..2368, 2640..2712, 2931..4441		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	9995	Seq. ID	OJ990430_28.9819.C28

Gene No.	21312	Strand	-
Start	1	End	12269
Name	OJ990430_28.9819.C28.o1.gs	Method	GENSCAN
Start	53	End	12269
GI	none	Score	.56
Exons	53..95, 292..392, 470..568, 650..944, 1156..1244, 1337..1528, 1605..2002, 2097..2291, 2640..2712, 2852..4386, 5076..5186, 5265..5433, 11406..11487, 12226..12269		

Seq. No.	9995	Seq. ID	OJ990430_28.9819.C28
Gene No.	21312	Strand	-
Start	1	End	12269
Name	OJ990430_28.9819.C28.o1.tm	Method	TBLASTX:Maize
Start	650	End	1773
GI	none	Score	67
Exons	650..946, 1038..1064, 1071..1238, 1071..1238, 1319..1396, 1406..1447, 1469..1540, 1602..1772, 1609..1773		

Seq. No.	9995	Seq. ID	OJ990430_28.9819.C28
Gene No.	21312	Strand	-
Start	1	End	12269
Name	OJ990430_28.9819.C28.o3.tm	Method	TBLASTX:Maize
Start	1776	End	2259
GI	none	Score	57
Exons	1776..1871, 1780..1875, 1881..1910, 1905..2012, 1927..2013, 2074..2259, 2081..2257		

Seq. No.	9995	Seq. ID	OJ990430_28.9819.C28
Gene No.	21312	Strand	-
Start	1	End	12269
Name	OJ990430_28.9819.C28.o2.tm	Method	TBLASTX:Maize
Start	3857	End	4400
GI	none	Score	39
Exons	3857..4222, 3877..3900, 3933..4223, 4131..4223, 4241..4396, 4275..4400, 4275..4397		

Seq. No.	9996	Seq. ID	OJ990430_28.9819.C29
Gene No.	21313	Strand	-
Start	166	End	683
Name	OJ990430_28.9819.C29.o1.np	Method	AAT/NAP
Start	166	End	683
GI	6815063	Score	588
Exons	166..449, 572..683		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	9996	Seq. ID	OJ990430_28.9819.C29
Gene No.	21313	Strand	-
Start	166	End	683
Name	OJ990430_28.9819.C29.o1.gs	Method	GENSCAN
Start	214	End	683
GI	none	Score	.46
Exons	214..449, 572..683		

Seq. No.	9997	Seq. ID	OJ990330_17.9819.C1
Gene No.	21314	Strand	+
Start	163	End	1376
Name	OJ990330_17.9819.C1.o1.gs	Method	GENSCAN

Start	163	End	1376
GI	none	Score	.55
Exons	163..246, 929..1010, 1313..1376		

Seq. No.	9997	Seq. ID	OJ990330_17.9819.C1
Gene No.	21315	Strand	+
Start	3622	End	9851
Name	OJ990330_17.9819.C1.o3.gs	Method	GENSCAN
Start	3622	End	6588
GI	none	Score	.98
Exons	3622..4386, 5277..5297, 5486..5653, 6148..6588		

Seq. No.	9997	Seq. ID	OJ990330_17.9819.C1
Gene No.	21315	Strand	+
Start	3622	End	9851
Name	OJ990330_17.9819.C1.o1.gp	Method	AAT/GAP
Start	3840	End	4227
GI	71181_1.R1084	Score	737
Exons	3840..4227		
GI Descrip.	'2501599/sp|Q23202|YOM4_CAEEL 7.0e-24 HYPOTHETICAL 29.1 KD PROTEIN W06E11.4 IN CHROMOSOME III >gi_669022 (U20862) W06E11.4 gene product [Caenorhabditis elegans]'		

Seq. No.	9997	Seq. ID	OJ990330_17.9819.C1
Gene No.	21315	Strand	+
Start	3622	End	9851
Name	OJ990330_17.9819.C1.o2.np	Method	AAT/NAP
Start	3928	End	6264
GI	6686182	Score	533
Exons	3928..4386, 5486..5653, 6148..6264		
GI Descrip.	HYPOTHETICAL PROTEIN CGI-97 gi|4929663|gb|AAD34092.1|AF151855_1 (AF151855) CGI-97 protein [Homo sapiens]		

Seq. No.	9997	Seq. ID	OJ990330_17.9819.C1
Gene No.	21315	Strand	+
Start	3622	End	9851
Name	OJ990330_17.9819.C1.o3.np	Method	AAT/NAP
Start	5611	End	9851
GI	3876967	Score	69
Exons	5611..5641, 7674..7846, 7919..8119, 9832..9851		
GI Descrip.	(Z81080) Similarity to Human KIAA0086 ORF (TR:G577303); cDNA EST yk550a3.3 comes from this gene [Caenorhabditis elegans]		

Seq. No.	9997	Seq. ID	OJ990330_17.9819.C1
Gene No.	21315	Strand	+
Start	3622	End	9851
Name	OJ990330_17.9819.C1.o2.gp	Method	AAT/GAP
Start	6292	End	6862
GI	uC-osflcyp066d02a1	Score	912
Exons	6292..6589, 6687..6862		
GI Descrip.	'4558669/gb|AAD22687.1|AC007063_13 2.0e-40 (AC007063) putative vanadate resistance protein [Arabidopsis thaliana]'		

Seq. No.	9997	Seq. ID	OJ990330_17.9819.C1
Gene No.	21315	Strand	+
Start	3622	End	9851
Name	OJ990330_17.9819.C1.o4.gs	Method	GENSCAN

Start	7605	End	9758
GI	none	Score	1
Exons	7605..7793, 7868..8146, 8235..9758		

Seq. No.	9997	Seq. ID	OJ990330_17.9819.C1
Gene No.	21316	Strand	-
Start	1	End	493
Name	OJ990330_17.9819.C1.o1.np	Method	AAT/NAP
Start	1	End	493
GI	4558669	Score	278
Exons	1..156, 275..493		
GI Descrip.	(AC007063) putative vanadate resistance protein [Arabidopsis thaliana]		

Seq. No.	9997	Seq. ID	OJ990330_17.9819.C1
Gene No.	21317	Strand	-
Start	2371	End	2974
Name	OJ990330_17.9819.C1.o2.gs	Method	GENSCAN
Start	2371	End	2974
GI	none	Score	.64
Exons	2371..2446, 2520..2974		

Seq. No.	9997	Seq. ID	OJ990330_17.9819.C1
Gene No.	21318	Strand	-
Start	10228	End	12325
Name	OJ990330_17.9819.C1.o3.tc	Method	TBLASTX:Cress
Start	34	End	475
GI	none	Score	104
Exons	34..168, 35..157, 275..403, 282..404, 440..475		

Seq. No.	9997	Seq. ID	OJ990330_17.9819.C1
Gene No.	21318	Strand	-
Start	10228	End	12325
Name	OJ990330_17.9819.C1.o2.tm	Method	TBLASTX:Maize
Start	3918	End	4200
GI	none	Score	365
Exons	3918..4148, 3919..4149, 4146..4199, 4147..4200		

Seq. No.	9997	Seq. ID	OJ990330_17.9819.C1
Gene No.	21318	Strand	-
Start	10228	End	12325
Name	OJ990330_17.9819.C1.o2.tc	Method	TBLASTX:Cress
Start	3921	End	4251
GI	none	Score	277
Exons	3921..4109, 3922..4107, 4108..4152, 4156..4176, 4188..4250, 4189..4251		

Seq. No.	9997	Seq. ID	OJ990330_17.9819.C1
Gene No.	21318	Strand	-
Start	10228	End	12325
Name	OJ990330_17.9819.C1.o1.ts	Method	TBLASTX:Soybean
Start	4002	End	6530
GI	none	Score	513
Exons	4002..4391, 4003..4386, 5473..5634, 5483..5641, 6193..6285, 6289..6363, 6433..6528, 6441..6530		

Seq. No.	9997	Seq. ID	OJ990330_17.9819.C1

Gene No.	21318	Strand	-
Start	10228	End	12325
Name	OJ990330_17.9819.C1.o3.tm	Method	TBLASTX:Maize
Start	4200	End	6595
GI	none	Score	295
Exons	4200..4391, 4201..4386, 5412..5450, 5473..5655, 5483..5656, 5492..5656, 5517..5666, 6136..6357, 6147..6365, 6148..6372, 6349..6588, 6371..6595, 6389..6589		

Seq. No.	9997	Seq. ID	OJ990330_17.9819.C1
Gene No.	21318	Strand	-
Start	10228	End	12325
Name	OJ990330_17.9819.C1.o4.tm	Method	TBLASTX:Maize
Start	8008	End	8480
GI	none	Score	51
Exons	8008..8055, 8018..8053, 8068..8154, 8072..8155, 8232..8357, 8234..8356, 8361..8480, 8366..8476		

Seq. No.	9997	Seq. ID	OJ990330_17.9819.C1
Gene No.	21318	Strand	-
Start	10228	End	12325
Name	OJ990330_17.9819.C1.o4.np	Method	AAT/NAP
Start	10228	End	12136
GI	6598837	Score	877
Exons	10228..12136		
GI Descrip.	(AC010795) unknown protein [Arabidopsis thaliana]		

Seq. No.	9997	Seq. ID	OJ990330_17.9819.C1
Gene No.	21318	Strand	-
Start	10228	End	12325
Name	OJ990330_17.9819.C1.o2.ts	Method	TBLASTX:Soybean
Start	10478	End	12157
GI	none	Score	74
Exons	10478..10945, 10496..11143, 10697..11566, 10754..10927, 10794..11102, 10803..11006, 10827..11483, 10827..11144, 10847..11020, 10871..11050, 10881..10991, 10895..11260, 10919..11773, 10943..11125, 11000..11365, 11114..11995, 11297..11488, 11453..11899, 11462..11632, 11477..11659, 11526..11900, 11549..11929, 11582..11755, 11583..11735, 11655..11888, 11678..11860, 12020..12157		

Seq. No.	9997	Seq. ID	OJ990330_17.9819.C1
Gene No.	21318	Strand	-
Start	10228	End	12325
Name	OJ990330_17.9819.C1.o1.tc	Method	TBLASTX:Cress
Start	10481	End	12325
GI	none	Score	42
Exons	10481..10606, 10484..10561, 10496..10882, 10544..10789, 10637..10987, 10661..10876, 10677..10733, 10688..11044, 10731..11033, 10754..10981, 10775..11161, 10794..11144, 10859..11080, 10871..10939, 10877..11266, 10959..11087, 10964..11191, 11000..11359, 11111..11476, 11163..11447, 11219..11401, 11291..11479, 11336..11674, 11396..11605, 11429..11773, 11525..11896, 11528..11701, 11529..11726, 11624..11836, 11639..11932, 11640..11822, 11711..11941, 11726..11932, 11738..11947, 11933..11989, 11942..12001, 12008..12106, 12020..12112, 12038..12202, 12140..12325,		

12140..12322, 12185..12319

Seq. No.	9997	Seq. ID	OJ990330_17.9819.C1
Gene No.	21318	Strand	-
Start	10228	End	12325
Name	OJ990330_17.9819.C1.o1.tm	Method	TBLASTX:Maize
Start	10481	End	12001
GI	none	Score	104
Exons	10481..10600, 10496..10915, 10511..11020, 10727..11191, 10826..11332, 10827..11066, 10827..11021, 10832..11125, 10929..11180, 10931..11440, 11054..11539, 11232..11741, 11246..11755, 11258..11755, 11286..11441, 11351..11860, 11456..11932, 11555..11920, 11562..11888, 11579..11908, 11912..12001		

Seq. No.	9998	Seq. ID	OJ990330_17.9819.C2
Gene No.	21319	Strand	+
Start	6247	End	7616
Name	OJ990330_17.9819.C2.o2.gs	Method	GENSCAN
Start	6247	End	7553
GI	none	Score	.64
Exons	6247..6480, 6577..6753, 7274..7553		

Seq. No.	9998	Seq. ID	OJ990330_17.9819.C2
Gene No.	21319	Strand	+
Start	6247	End	7616
Name	OJ990330_17.9819.C2.o3.np	Method	AAT/NAP
Start	6268	End	6813
GI	6016561	Score	537
Exons	6268..6480, 6577..6813		
GI Descrip.	MAGO NASHI PROTEIN HOMOLOG gi|3123515|emb|CAA70006| (Y08761) Mago Nashi-like protein [Euphorbia lagascae]		

Seq. No.	9998	Seq. ID	OJ990330_17.9819.C2
Gene No.	21319	Strand	+
Start	6247	End	7616
Name	OJ990330_17.9819.C2.o5.np	Method	AAT/NAP
Start	6276	End	7616
GI	121632	Score	135
Exons	6276..6367, 6546..6653, 7366..7616		
GI Descrip.	GLYCINE-RICH CELL WALL STRUCTURAL PROTEIN 1.8 PRECURSOR (GRP 1.8) gi|81868|pir||S01820 glycine-rich cell wall protein 1.8 precursor - kidney bean gi|21003|emb|CAA31932| (X13596) GRP 1.8 protein (AA 1 - 465) [Phaseolus vulgaris]		

Seq. No.	9998	Seq. ID	OJ990330_17.9819.C2
Gene No.	21320	Strand	-
Start	371	End	7351
Name	OJ990330_17.9819.C2.o1.gs	Method	GENSCAN
Start	371	End	5975
GI	none	Score	.55
Exons	371..543, 2688..2819, 2827..3020, 3043..3116, 3814..4055, 4370..5975		

Seq. No.	9998	Seq. ID	OJ990330_17.9819.C2
Gene No.	21320	Strand	-
Start	371	End	7351

Name	OJ990330_17.9819.C2.o1.np	Method	AAT/NAP
Start	1559	End	3020
GI	6907086	Score	870
Exons	1559..1693, 1789..1989, 2040..2126, 2361..2574, 2634..3020		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	9998	Seq. ID	OJ990330_17.9819.C2
Gene No.	21320	Strand	-
Start	371	End	7351
Name	OJ990330_17.9819.C2.o2.tc	Method	TBLASTX:Cress
Start	3910	End	5696
GI	none	Score	72
Exons	3910..3993, 4116..4214, 4122..4424, 4123..4425, 4134..4361, 4155..4541, 4171..4509, 4239..4460, 4249..4440, 4257..4628, 4344..4571, 4357..4482, 4380..4748, 4467..4823, 4566..4688, 4593..4961, 4704..5054, 4842..5171, 4905..5276, 4908..5081, 4987..5202, 4995..5201, 5019..5360, 5020..5286, 5106..5366, 5118..5378, 5199..5360, 5385..5480, 5406..5564, 5508..5696		

Seq. No.	9998	Seq. ID	OJ990330_17.9819.C2
Gene No.	21320	Strand	-
Start	371	End	7351
Name	OJ990330_17.9819.C2.o2.np	Method	AAT/NAP
Start	4025	End	6032
GI	6598837	Score	693
Exons	4025..4741, 4847..6032		
GI Descrip.	(AC010795) unknown protein [Arabidopsis thaliana]		

Seq. No.	9998	Seq. ID	OJ990330_17.9819.C2
Gene No.	21320	Strand	-
Start	371	End	7351
Name	OJ990330_17.9819.C2.o2.ts	Method	TBLASTX:Soybean
Start	4113	End	5687
GI	none	Score	104
Exons	4113..4499, 4122..4946, 4122..4424, 4144..4419, 4159..4482, 4182..5054, 4182..4370, 4206..4430, 4207..4488, 4227..4400, 4275..4646, 4279..4380, 4287..5159, 4312..4509, 4332..4505, 4333..4512, 4495..4695, 4527..4685, 4530..5273, 4680..4820, 4704..5360, 4725..5339, 4842..5354, 4857..5027, 4909..5280, 5004..5105, 5019..5348, 5034..5360, 5035..5268, 5157..5327, 5358..5507, 5382..5507, 5382..5504, 5388..5639, 5523..5687		

Seq. No.	9998	Seq. ID	OJ990330_17.9819.C2
Gene No.	21320	Strand	-
Start	371	End	7351
Name	OJ990330_17.9819.C2.o1.tm	Method	TBLASTX:Maize
Start	4116	End	5507
GI	none	Score	95
Exons	4116..4400, 4119..4604, 4206..4694, 4207..4401, 4212..4505, 4227..4478, 4410..4919, 4527..5009, 4626..5120, 4626..5129, 4669..5121, 4731..5204, 4842..5339, 4921..5280, 4935..5360, 5151..5366, 5388..5507		

Seq. No.	9998	Seq. ID	OJ990330_17.9819.C2
Gene No.	21320	Strand	-
Start	371	End	7351
Name	OJ990330_17.9819.C2.o4.np	Method	AAT/NAP

Start	4627	End	7351
GI	5734621	Score	213
Exons	4627..4723, 7097..7351		
GI Descrip.	(AP000391) ESTs AU067992(C11433),AU077424(C11433) correspond to a region of the predicted gene.; Similar to ABC transporter-7 (U43892) [Oryza sativa]		

Seq. No.	9998	Seq. ID	OJ990330_17.9819.C2
Gene No.	21320	Strand	-
Start	371	End	7351
Name	OJ990330_17.9819.C2.o1.tc	Method	TBLASTX:Cress
Start	6286	End	6750
GI	none	Score	300
Exons	6286..6483, 6288..6464, 6574..6750, 6576..6749		

Seq. No.	9998	Seq. ID	OJ990330_17.9819.C2
Gene No.	21320	Strand	-
Start	371	End	7351
Name	OJ990330_17.9819.C2.o2.tm	Method	TBLASTX:Maize
Start	6286	End	6755
GI	none	Score	327
Exons	6286..6483, 6288..6479, 6412..6483, 6526..6753, 6556..6654, 6576..6755		

Seq. No.	9998	Seq. ID	OJ990330_17.9819.C2
Gene No.	21320	Strand	-
Start	371	End	7351
Name	OJ990330_17.9819.C2.o1.ts	Method	TBLASTX:Soybean
Start	6286	End	6753
GI	none	Score	308
Exons	6286..6483, 6288..6452, 6412..6483, 6574..6753, 6574..6654, 6576..6749		

Seq. No.	9999	Seq. ID	OJ990330_17.9819.C3
Gene No.	21321	Strand	+
Start	1560	End	3740
Name	OJ990330_17.9819.C3.o1.gs	Method	GENSCAN
Start	1560	End	3712
GI	none	Score	.91
Exons	1560..1743, 1791..2100, 2363..2872, 2961..3186, 3273..3712		

Seq. No.	9999	Seq. ID	OJ990330_17.9819.C3
Gene No.	21321	Strand	+
Start	1560	End	3740
Name	OJ990330_17.9819.C3.o2.np	Method	AAT/NAP
Start	2529	End	3740
GI	4585884	Score	387
Exons	2529..2872, 2961..3186, 3270..3740		
GI Descrip.	(AC005850) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	9999	Seq. ID	OJ990330_17.9819.C3
Gene No.	21322	Strand	-
Start	1	End	3765
Name	OJ990330_17.9819.C3.o1.np	Method	AAT/NAP
Start	1	End	3765
GI	5734621	Score	62
Exons	1..48, 568..659, 1552..1728, 3739..3765		

GI Descrip. (AP000391) ESTs AU067992(C11433),AU077424(C11433) correspond to a region of the predicted gene.; Similar to ABC transporter-7 (U43892) [Oryza sativa]

Seq. No.	9999	Seq. ID	OJ990330_17.9819.C3
Gene No.	21322	Strand	-
Start	1	End	3765
Name	OJ990330_17.9819.C3.o2.ts	Method	TBLASTX:Soybean
Start	2368	End	2782
GI	none	Score	44
Exons	2368..2409, 2513..2782, 2557..2769		

Seq. No.	9999	Seq. ID	OJ990330_17.9819.C3
Gene No.	21322	Strand	-
Start	1	End	3765
Name	OJ990330_17.9819.C3.o2.tm	Method	TBLASTX:Maize
Start	2521	End	3051
GI	none	Score	512
Exons	2521..2889, 2522..2899, 2536..2904, 2958..3050, 2959..3051, 2959..3048, 2960..3049		

Seq. No.	9999	Seq. ID	OJ990330_17.9819.C3
Gene No.	21322	Strand	-
Start	1	End	3765
Name	OJ990330_17.9819.C3.o1.tw	Method	TBLASTX:Wheat
Start	3018	End	3472
GI	none	Score	116
Exons	3018..3155, 3025..3174, 3034..3162, 3271..3363, 3272..3364, 3377..3472		

Seq. No.	9999	Seq. ID	OJ990330_17.9819.C3
Gene No.	21322	Strand	-
Start	1	End	3765
Name	OJ990330_17.9819.C3.o1.tm	Method	TBLASTX:Maize
Start	3054	End	3574
GI	none	Score	213
Exons	3054..3188, 3055..3390, 3055..3390, 3248..3394, 3294..3404, 3386..3574, 3391..3573, 3392..3574		

Seq. No.	9999	Seq. ID	OJ990330_17.9819.C3
Gene No.	21322	Strand	-
Start	1	End	3765
Name	OJ990330_17.9819.C3.o1.ts	Method	TBLASTX:Soybean
Start	3254	End	3550
GI	none	Score	208
Exons	3254..3472, 3271..3360, 3488..3550		

Seq. No.	10000	Seq. ID	OJ990330_17.9819.C4
Gene No.	21323	Strand	+
Start	1	End	1405
Name	OJ990330_17.9819.C4.o1.np	Method	AAT/NAP
Start	1	End	1214
GI	4558669	Score	432
Exons	1..59, 251..349, 517..671, 1097..1214		

GI Descrip. (AC007063) putative vanadate resistance protein [Arabidopsis thaliana]

Seq. No.	10000	Seq. ID	OJ990330_17.9819.C4
Gene No.	21323	Strand	+
Start	1	End	1405
Name	OJ990330_17.9819.C4.o1.gp	Method	AAT/GAP
Start	308	End	1405
GI	428302	Score	732
Exons	308..349, 517..671, 1097..1213, 1308..1405		
GI Descrip.	4558669/gb|AAD22687.1|AC007063_13 2.0e-40 (AC007063) putative vanadate resistance protein [Arabidopsis thaliana]		

Seq. No.	10000	Seq. ID	OJ990330_17.9819.C4
Gene No.	21324	Strand	+
Start	9729	End	10741
Name	OJ990330_17.9819.C4.o2.gs	Method	GENSCAN
Start	9729	End	10741
GI	none	Score	.59
Exons	9729..10489, 10534..10741		

Seq. No.	10000	Seq. ID	OJ990330_17.9819.C4
Gene No.	21324	Strand	+
Start	9729	End	10741
Name	OJ990330_17.9819.C4.o3.np	Method	AAT/NAP
Start	9729	End	10738
GI	4512625	Score	541
Exons	9729..9921, 9960..10738		
GI Descrip.	(AC004793) ESTs gb|T20423, gb|AA712864, gb|H76323 and gb|Z25560 come from this gene. [Arabidopsis thaliana]		

Seq. No.	10000	Seq. ID	OJ990330_17.9819.C4
Gene No.	21324	Strand	+
Start	9729	End	10741
Name	OJ990330_17.9819.C4.o4.gp	Method	AAT/GAP
Start	10211	End	10665
GI	uC-osrocyp033e04b1	Score	859
Exons	10211..10665		
GI Descrip.	'4512625/gb|AAD21694.1| 4.0e-11 (AC004793) ESTs gb_T20423, gb_AA712864, gb_H76323 and gb_Z25560 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	10000	Seq. ID	OJ990330_17.9819.C4
Gene No.	21325	Strand	-
Start	896	End	6474
Name	OJ990330_17.9819.C4.o1.gs	Method	GENSCAN
Start	896	End	6174
GI	none	Score	.82
Exons	896..916, 2123..2262, 2900..3367, 3647..3717, 3824..4026, 5728..6174		

Seq. No.	10000	Seq. ID	OJ990330_17.9819.C4
Gene No.	21325	Strand	-
Start	896	End	6474
Name	OJ990330_17.9819.C4.o2.np	Method	AAT/NAP
Start	1349	End	6474
GI	6899921	Score	985
Exons	1349..1368, 2776..3367, 3647..3717, 3824..3998, 4225..4338, 5724..5992, 6404..6474		
GI Descrip.	(AL138651) putative protein [Arabidopsis thaliana]		

Seq. No.	10000	Seq. ID	OJ990330_17.9819.C4
Gene No.	21325	Strand	-
Start	896	End	6474
Name	OJ990330_17.9819.C4.o2.gp	Method	AAT/GAP
Start	1740	End	2140
GI	3767792	Score	707
Exons	1740..2140		

Seq. No.	10000	Seq. ID	OJ990330_17.9819.C4
Gene No.	21326	Strand	-
Start	9386	End	9879
Name	OJ990330_17.9819.C4.o2.tc	Method	TBLASTX:Cress
Start	1119	End	1541
GI	none	Score	140
Exons	1119..1211, 1119..1211, 1121..1213, 1302..1406, 1303..1407, 1488..1541, 1490..1525		

Seq. No.	10000	Seq. ID	OJ990330_17.9819.C4
Gene No.	21326	Strand	-
Start	9386	End	9879
Name	OJ990330_17.9819.C4.o3.tm	Method	TBLASTX:Maize
Start	2763	End	5847
GI	none	Score	58
Exons	2763..2834, 2853..2957, 3648..3713, 3649..3723, 3817..3999, 3818..4000, 4223..4345, 4224..4331, 5731..5817, 5732..5818, 5746..5847		

Seq. No.	10000	Seq. ID	OJ990330_17.9819.C4
Gene No.	21326	Strand	-
Start	9386	End	9879
Name	OJ990330_17.9819.C4.o1.ts	Method	TBLASTX:Soybean
Start	2851	End	3713
GI	none	Score	81
Exons	2851..3129, 2853..3212, 3166..3210, 3216..3368, 3216..3368, 3223..3378, 3648..3713		

Seq. No.	10000	Seq. ID	OJ990330_17.9819.C4
Gene No.	21326	Strand	-
Start	9386	End	9879
Name	OJ990330_17.9819.C4.o1.tc	Method	TBLASTX:Cress
Start	2904	End	3369
GI	none	Score	113
Exons	2904..3368, 2935..3222, 3259..3369		

Seq. No.	10000	Seq. ID	OJ990330_17.9819.C4
Gene No.	21326	Strand	-
Start	9386	End	9879
Name	OJ990330_17.9819.C4.o1.tm	Method	TBLASTX:Maize
Start	2961	End	3368
GI	none	Score	513
Exons	2961..3368, 2962..3366		

Seq. No.	10000	Seq. ID	OJ990330_17.9819.C4
Gene No.	21326	Strand	-
Start	9386	End	9879
Name	OJ990330_17.9819.C4.o3.tc	Method	TBLASTX:Cress

Start	3787	End	4336
GI	none	Score	106
Exons	3787..3999, 3821..4039, 4221..4334, 4223..4336, 4238..4336		

Seq. No.	10000	Seq. ID	OJ990330_17.9819.C4
Gene No.	21326	Strand	-
Start	9386	End	9879
Name	OJ990330_17.9819.C4.o1.tw	Method	TBLASTX:Wheat
Start	3817	End	4345
GI	none	Score	102
Exons	3817..3999, 3818..4000, 4223..4345, 4224..4334		

Seq. No.	10000	Seq. ID	OJ990330_17.9819.C4
Gene No.	21326	Strand	-
Start	9386	End	9879
Name	OJ990330_17.9819.C4.o2.ts	Method	TBLASTX:Soybean
Start	3817	End	5812
GI	none	Score	147
Exons	3817..3999, 3818..4006, 3824..4006, 4223..4369, 4224..4370, 5728..5811, 5732..5812		

Seq. No.	10000	Seq. ID	OJ990330_17.9819.C4
Gene No.	21326	Strand	-
Start	9386	End	9879
Name	OJ990330_17.9819.C4.o3.gp	Method	AAT/GAP
Start	9386	End	9879
GI	2428534	Score	792
Exons	9386..9409, 9459..9879		

Seq. No.	10000	Seq. ID	OJ990330_17.9819.C4
Gene No.	21327	Strand	
Start	9900	End	10752
Name	OJ990330_17.9819.C4.o2.tm	Method	TBLASTX:Maize
Start	9900	End	10752
GI	none	Score	73
Exons	9900..9992, 10104..10157, 10314..10508, 10323..10421, 10325..10504, 10522..10656, 10532..10576, 10610..10741, 10675..10749, 10699..10752		

Seq. No.	10001	Seq. ID	OJ990330_17.9819.C5
Gene No.	21328	Strand	+
Start	1698	End	2145
Name	OJ990330_17.9819.C5.o1.gs	Method	GENSCAN
Start	1698	End	2145
GI	none	Score	.94
Exons	1698..1827, 1961..2145		

Seq. No.	10001	Seq. ID	OJ990330_17.9819.C5
Gene No.	21329	Strand	-
Start	5085	End	5816
Name	OJ990330_17.9819.C5.o2.gs	Method	GENSCAN
Start	5085	End	5816
GI	none	Score	.45
Exons	5085..5327, 5448..5816		

Seq. No.	10002	Seq. ID	OJ990330_17.9819.C6
Gene No.	21330	Strand	-

Start	1	End	3754
Name	OJ990330_17.9819.C6.o1.np	Method	AAT/NAP
Start	1	End	3754
GI	4680207	Score	957
Exons	1..31, 378..1035, 2819..3754		
GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		

Seq. No.	10002	Seq. ID	OJ990330_17.9819.C6
Gene No.	21330	Strand	-
Start	1	End	3754
Name	OJ990330_17.9819.C6.o1.gs	Method	GENSCAN
Start	103	End	3633
GI	none	Score	.46
Exons	103..1119, 2819..3633		

Seq. No.	10002	Seq. ID	OJ990330_17.9819.C6
Gene No.	21330	Strand	-
Start	1	End	3754
Name	OJ990330_17.9819.C6.o1.tm	Method	TBLASTX:Maize
Start	390	End	875
GI	none	Score	82
Exons	390..557, 576..707, 789..875		

Seq. No.	10002	Seq. ID	OJ990330_17.9819.C6
Gene No.	21330	Strand	-
Start	1	End	3754
Name	OJ990330_17.9819.C6.o1.tc	Method	TBLASTX:Cress
Start	393	End	3057
GI	none	Score	73
Exons	393..563, 579..755, 801..884, 1053..1124, 2995..3057		

Seq. No.	10002	Seq. ID	OJ990330_17.9819.C6
Gene No.	21330	Strand	-
Start	1	End	3754
Name	OJ990330_17.9819.C6.o1.ts	Method	TBLASTX:Soybean
Start	402	End	1091
GI	none	Score	75
Exons	402..560, 576..893, 588..716, 727..873, 898..960, 999..1091, 1000..1071		

Seq. No.	10002	Seq. ID	OJ990330_17.9819.C6
Gene No.	21330	Strand	-
Start	1	End	3754
Name	OJ990330_17.9819.C6.o1.tw	Method	TBLASTX:Wheat
Start	591	End	893
GI	none	Score	105
Exons	591..893, 715..870		

Seq. No.	10003	Seq. ID	OJ990330_17.9819.C7
Gene No.	21331	Strand	+
Start	624	End	883
Name	OJ990330_17.9819.C7.o1.gs	Method	GENSCAN
Start	624	End	883
GI	none	Score	.61
Exons	624..629, 652..710, 739..883		

Seq. No.	10004	Seq. ID	OJ990330_17.9819.C8
Gene No.	21332	Strand	+
Start	265	End	1214
Name	OJ990330_17.9819.C8.o1.gp	Method	AAT/GAP
Start	265	End	540
GI	LIB3434-038-P1-K1-B5	Score	452
Exons	265..540		
GI Descrip.	'5091610/gb|AAD39599.1|AC007858_13 6.0e-42 (AC007858) 10A19I.15 [Oryza sativa]'		

Seq. No.	10004	Seq. ID	OJ990330_17.9819.C8
Gene No.	21332	Strand	+
Start	265	End	1214
Name	OJ990330_17.9819.C8.o1.gs	Method	GENSCAN
Start	294	End	1213
GI	none	Score	.71
Exons	294..620, 708..1037, 1080..1213		

Seq. No.	10004	Seq. ID	OJ990330_17.9819.C8
Gene No.	21332	Strand	+
Start	265	End	1214
Name	OJ990330_17.9819.C8.o1.np	Method	AAT/NAP
Start	294	End	1214
GI	5091610	Score	1325
Exons	294..558, 656..1214		
GI Descrip.	(AC007858) 10A19I.15 [Oryza sativa]		

Seq. No.	10004	Seq. ID	OJ990330_17.9819.C8
Gene No.	21332	Strand	+
Start	265	End	1214
Name	OJ990330_17.9819.C8.o1.tm	Method	TBLASTX:Maize
Start	314	End	746
GI	none	Score	355
Exons	314..610, 315..620, 706..744, 708..746		

Seq. No.	10004	Seq. ID	OJ990330_17.9819.C8
Gene No.	21332	Strand	+
Start	265	End	1214
Name	OJ990330_17.9819.C8.o2.tm	Method	TBLASTX:Maize
Start	930	End	1208
GI	none	Score	61
Exons	930..971, 941..1066, 948..1049, 1047..1208, 1047..1202, 1052..1207		

Seq. No.	10005	Seq. ID	OJ990330_17.9819.C9
Gene No.	21333	Strand	-
Start	1	End	2948
Name	OJ990330_17.9819.C9.o1.np	Method	AAT/NAP
Start	1	End	2948
GI	4680207	Score	402
Exons	1..22, 2198..2948		
GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		

Seq. No.	10005	Seq. ID	OJ990330_17.9819.C9
Gene No.	21333	Strand	-
Start	1	End	2948

Name	OJ990330_17.9819.C9.o1.gs	Method	GENSCAN
Start	888	End	2922
GI	none	Score	.41
Exons	888..953, 1743..1849, 2346..2580, 2860..2922		

Seq. No.	10006	Seq. ID	OJ990330_17.9819.C10
Gene No.	21334	Strand	-
Start	1845	End	3666
Name	OJ990330_17.9819.C10.o1.gs	Method	GENSCAN
Start	1845	End	3666
GI	none	Score	.88
Exons	1845..2608, 3175..3208, 3409..3666		

Seq. No.	10007	Seq. ID	OJ990330_17.9819.C11
Gene No.	21335	Strand	+
Start	565	End	729
Name	OJ990330_17.9819.C11.o1.gs	Method	GENSCAN
Start	565	End	729
GI	none	Score	.92
Exons	565..729		

Seq. No.	10007	Seq. ID	OJ990330_17.9819.C11
Gene No.	21336	Strand	+
Start	5301	End	5969
Name	OJ990330_17.9819.C11.o2.np	Method	AAT/NAP
Start	5301	End	5969
GI	5051773	Score	536
Exons	5301..5351, 5377..5969		
GI Descrip.	(AL078637) putative protein [Arabidopsis thaliana]		

Seq. No.	10007	Seq. ID	OJ990330_17.9819.C11
Gene No.	21337	Strand	+
Start	19261	End	20983
Name	OJ990330_17.9819.C11.o4.np	Method	AAT/NAP
Start	19261	End	20983
GI	5922619	Score	134
Exons	19261..19285, 20877..20983		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016852|dbj|BAA85195.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	10007	Seq. ID	OJ990330_17.9819.C11
Gene No.	21338	Strand	+
Start	24346	End	24926
Name	OJ990330_17.9819.C11.o6.np	Method	AAT/NAP
Start	24346	End	24926
GI	5921187	Score	362
Exons	24346..24926		
GI Descrip.	CYTOCHROME P450 71C2 gi|550438|emb|CAA57423| (X81829) cytochrome P450 [Zea mays] gi|1870201|emb|CAA72208| (Y11404) cytochrome p450 [Zea mays]		

Seq. No.	10007	Seq. ID	OJ990330_17.9819.C11
Gene No.	21339	Strand	-
Start	1719	End	2198
Name	OJ990330_17.9819.C11.o1.gp	Method	AAT/GAP
Start	1523	End	1865

GI	LIB3432-058-P1-K1-E12	Score	351
Exons	1523..1865		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 8.0e-31 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	10007	Seq. ID	OJ990330_17.9819.C11
Gene No.	21339	Strand	-
Start	1719	End	2198
Name	OJ990330_17.9819.C11.o2.gs	Method	GENSCAN
Start	1719	End	2198
GI	none	Score	.54
Exons	1719..2198		

Seq. No.	10007	Seq. ID	OJ990330_17.9819.C11
Gene No.	21340	Strand	-
Start	5253	End	5930
Name	OJ990330_17.9819.C11.o3.gs	Method	GENSCAN
Start	5253	End	5930
GI	none	Score	1
Exons	5253..5930		

Seq. No.	10007	Seq. ID	OJ990330_17.9819.C11
Gene No.	21341	Strand	-
Start	7180	End	9227
Name	OJ990330_17.9819.C11.o4.gs	Method	GENSCAN
Start	7180	End	9227
GI	none	Score	.99
Exons	7180..7803, 8277..9227		

Seq. No.	10007	Seq. ID	OJ990330_17.9819.C11
Gene No.	21342	Strand	-
Start	10025	End	17446
Name	OJ990330_17.9819.C11.o5.gs	Method	GENSCAN
Start	10025	End	17446
GI	none	Score	.73
Exons	10025..10143, 10211..10372, 10485..10553, 10963..11069, 12504..12532, 15943..16046, 17341..17446		

Seq. No.	10007	Seq. ID	OJ990330_17.9819.C11
Gene No.	21343	Strand	-
Start	18227	End	20869
Name	OJ990330_17.9819.C11.o6.gs	Method	GENSCAN
Start	18227	End	19943
GI	none	Score	.86
Exons	18227..18835, 18981..19943		

Seq. No.	10007	Seq. ID	OJ990330_17.9819.C11
Gene No.	21343	Strand	-
Start	18227	End	20869
Name	OJ990330_17.9819.C11.o3.np	Method	AAT/NAP
Start	18230	End	20869
GI	5921189	Score	1570
Exons	18230..18835, 18981..19862, 20746..20869		
GI Descrip.	CYTOCHROME P450 71C4 gi|550542|emb|CAA57425| (X81831) cytochrome P450 [Zea mays] gi|1850903|emb|CAA72196| (Y11368) cytochrome p450 [Zea mays]		

Seq. No.	10007	Seq. ID	OJ990330_17.9819.C11
Gene No.	21344	Strand	-
Start	21121	End	24885
Name	OJ990330_17.9819.C11.o3.tm	Method	TBLASTX:Maize
Start	5435	End	5942
GI	none	Score	68
Exons	5435..5527, 5472..5534, 5603..5662, 5604..5669, 5718..5942		

Seq. No.	10007	Seq. ID	OJ990330_17.9819.C11
Gene No.	21344	Strand	-
Start	21121	End	24885
Name	OJ990330_17.9819.C11.o2.tw	Method	TBLASTX:Wheat
Start	7138	End	18572
GI	none	Score	68
Exons	7138..7269, 7198..7272, 7259..7435, 7261..7434, 7265..7438, 7432..7536, 18192..18317, 18239..18313, 18300..18533, 18302..18460, 18467..18568, 18468..18572		

Seq. No.	10007	Seq. ID	OJ990330_17.9819.C11
Gene No.	21344	Strand	-
Start	21121	End	24885
Name	OJ990330_17.9819.C11.o1.tm	Method	TBLASTX:Maize
Start	7175	End	19316
GI	none	Score	204
Exons	7175..7402, 7189..7416, 7190..7417, 7389..7745, 7432..7803, 7441..7752, 7517..7804, 8272..8361, 8277..8423, 8352..8603, 8390..8455, 8434..8601, 18223..18354, 18227..18460, 18231..18458, 18233..18460, 18458..18835, 18474..18836, 18963..19256, 18981..19055, 19084..19293, 19092..19316, 19096..19314		

Seq. No.	10007	Seq. ID	OJ990330_17.9819.C11
Gene No.	21344	Strand	-
Start	21121	End	24885
Name	OJ990330_17.9819.C11.o1.ts	Method	TBLASTX:Soybean
Start	7193	End	24858
GI	none	Score	152
Exons	7193..7426, 7195..7425, 7429..7638, 7436..7636, 7681..7803, 7697..7804, 8682..8963, 8737..8946, 8973..9017, 18236..18697, 18240..18668, 18713..18835, 18723..18845, 19398..19679, 19462..19680, 19689..19730, 24516..24560, 24517..24579, 24624..24857, 24628..24858		

Seq. No.	10007	Seq. ID	OJ990330_17.9819.C11
Gene No.	21344	Strand	-
Start	21121	End	24885
Name	OJ990330_17.9819.C11.o1.tc	Method	TBLASTX:Cress
Start	7198	End	18835
GI	none	Score	161
Exons	7198..7416, 7199..7426, 7435..7803, 7436..7672, 18239..18835, 18240..18668, 18401..18700		

Seq. No.	10007	Seq. ID	OJ990330_17.9819.C11
Gene No.	21344	Strand	-
Start	21121	End	24885
Name	OJ990330_17.9819.C11.o2.tc	Method	TBLASTX:Cress
Start	8571	End	24858

GI	none	Score	104
Exons	8571..8963, 8737..8952, 8973..9044, 19284..19370, 19398..19679, 19462..19665, 19689..19760, 24517..24636, 24628..24858		

Seq. No.	10007	Seq. ID	OJ990330_17.9819.C11
Gene No.	21344	Strand	-
Start	21121	End	24885
Name	OJ990330_17.9819.C11.o2.tm	Method	TBLASTX:Maize
Start	8604	End	24885
GI	none	Score	266
Exons	8604..8963, 8605..8997, 8955..9044, 8968..9051, 19317..19367, 19395..19679, 19419..19508, 19456..19713, 19671..19760, 24538..24633, 24591..24857, 24628..24858, 24802..24885		

Seq. No.	10007	Seq. ID	OJ990330_17.9819.C11
Gene No.	21344	Strand	-
Start	21121	End	24885
Name	OJ990330_17.9819.C11.o1.tw	Method	TBLASTX:Wheat
Start	8721	End	24855
GI	none	Score	208
Exons	8721..8819, 8826..9044, 8827..9060, 19449..19541, 19542..19760, 19558..19758, 19683..19778, 24525..24767, 24526..24771, 24762..24854, 24763..24855, 24799..24855		

Seq. No.	10007	Seq. ID	OJ990330_17.9819.C11
Gene No.	21344	Strand	-
Start	21121	End	24885
Name	OJ990330_17.9819.C11.o5.np	Method	AAT/NAP
Start	21121	End	22465
GI	6630699	Score	81
Exons	21121..21199, 22443..22465		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	10008	Seq. ID	OJ990330_17.9819.C12
Gene No.	21345	Strand	+
Start	1	End	980
Name	OJ990330_17.9819.C12.o1.np	Method	AAT/NAP
Start	1	End	962
GI	5921189	Score	701
Exons	1..164, 348..962		
GI Descrip.	CYTOCHROME P450 71C4 gi|550542|emb|CAA57425| (X81831) cytochrome P450 [Zea mays] gi|1850903|emb|CAA72196| (Y11368) cytochrome p450 [Zea mays]		

Seq. No.	10008	Seq. ID	OJ990330_17.9819.C12
Gene No.	21345	Strand	+
Start	1	End	980
Name	OJ990330_17.9819.C12.o1.gs	Method	GENSCAN
Start	48	End	980
GI	none	Score	.59
Exons	48..164, 348..980		

Seq. No.	10008	Seq. ID	OJ990330_17.9819.C12
Gene No.	21346	Strand	+
Start	3033	End	3475

Name	OJ990330_17.9819.C12.o2.gs	Method	GENSCAN
Start	3033	End	3475
GI	none	Score	.73
Exons	3033..3114, 3333..3475		

Seq. No.	10008	Seq. ID	OJ990330_17.9819.C12
Gene No.	21347	Strand	+
Start	4656	End	6280
Name	OJ990330_17.9819.C12.o2.np	Method	AAT/NAP
Start	4600	End	6267
GI	5921189	Score	1378
Exons	4600..4763, 4825..6267		
GI Descrip.	CYTOCHROME P450 71C4 gi|550542|emb|CAA57425| (X81831) cytochrome P450 [Zea mays] gi|1850903|emb|CAA72196| (Y11368) cytochrome p450 [Zea mays]		

Seq. No.	10008	Seq. ID	OJ990330_17.9819.C12
Gene No.	21347	Strand	+
Start	4656	End	6280
Name	OJ990330_17.9819.C12.o3.gs	Method	GENSCAN
Start	4656	End	6280
GI	none	Score	.67
Exons	4656..5759, 5831..6280		

Seq. No.	10008	Seq. ID	OJ990330_17.9819.C12
Gene No.	21348	Strand	+
Start	9534	End	10842
Name	OJ990330_17.9819.C12.o1.tm	Method	TBLASTX:Maize
Start	348	End	9574
GI	none	Score	100
Exons	348..464, 471..533, 473..715, 475..708, 576..716, 731..844, 732..884, 774..884, 891..956, 891..956, 902..955, 4860..4973, 4863..4961, 4930..5244, 4962..5261, 4964..5260, 5246..5446, 5265..5489, 5272..5502, 5512..5766, 5568..5804, 5568..5666, 5621..5782, 5825..6022, 5827..6021, 6038..6193, 6038..6169, 6067..6201, 6077..6193, 6077..6169, 6079..6201, 6197..6235, 6197..6244, 8192..8272, 8224..8271, 8282..8575, 8284..8577, 8566..8733, 8570..8761, 8594..8758, 8867..9007, 8900..9121, 8938..9099, 9106..9339, 9107..9340, 9116..9340, 9341..9484, 9356..9487, 9397..9480, 9398..9487, 9494..9574, 9494..9574		

Seq. No.	10008	Seq. ID	OJ990330_17.9819.C12
Gene No.	21348	Strand	+
Start	9534	End	10842
Name	OJ990330_17.9819.C12.o1.ts	Method	TBLASTX:Soybean
Start	348	End	9592
GI	none	Score	95
Exons	348..458, 350..454, 471..533, 506..550, 590..712, 591..713, 695..814, 696..953, 4827..4901, 4896..4958, 4962..5255, 5337..5438, 5616..5771, 5825..5878, 5876..6028, 5908..6018, 6023..6172, 6043..6171, 6197..6238, 8186..8233, 8281..8349, 8282..8581, 8413..8502, 8687..8860, 8933..9088, 8944..9081, 9089..9172, 9091..9180, 9199..9354, 9212..9337, 9341..9487, 9361..9441, 9482..9592		

Seq. No.	10008	Seq. ID	OJ990330_17.9819.C12
Gene No.	21348	Strand	+

Start	9534	End	10842
Name	OJ990330_17.9819.C12.o1.tc	Method	TBLASTX:Cress
Start	350	End	9507
GI	none	Score	67
Exons	350..421, 453..533, 473..712, 576..713, 680..841, 693..953, 768..932, 5625..5825, 5825..6028, 5827..6018, 5894..6028, 6037..6174, 6038..6172, 8942..9172, 8944..9336, 9114..9245, 9152..9358, 9227..9346, 9355..9507, 9356..9487		

Seq. No.	10008	Seq. ID	OJ990330_17.9819.C12
Gene No.	21348	Strand	+
Start	9534	End	10842
Name	OJ990330_17.9819.C12.o1.tw	Method	TBLASTX:Wheat
Start	605	End	9565
GI	none	Score	126
Exons	605..718, 606..716, 629..718, 713..853, 732..890, 732..890, 885..986, 5920..6021, 5921..6022, 5924..6025, 6031..6228, 6032..6253, 6235..6258, 9238..9339, 9239..9355, 9239..9340, 9347..9484, 9356..9487, 9361..9498, 9496..9561, 9497..9565		

Seq. No.	10008	Seq. ID	OJ990330_17.9819.C12
Gene No.	21348	Strand	+
Start	9534	End	10842
Name	OJ990330_17.9819.C12.o2.tc	Method	TBLASTX:Cress
Start	4857	End	8674
GI	none	Score	97
Exons	4857..4970, 4961..5353, 4962..5354, 8189..8275, 8282..8674		

Seq. No.	10008	Seq. ID	OJ990330_17.9819.C12
Gene No.	21348	Strand	+
Start	9534	End	10842
Name	OJ990330_17.9819.C12.o2.tw	Method	TBLASTX:Wheat
Start	4869	End	8512
GI	none	Score	105
Exons	4869..4973, 4893..4961, 4961..5110, 4962..5105, 5047..5091, 5075..5188, 5085..5192, 5099..5188, 8201..8275, 8255..8419, 8272..8418, 8405..8512, 8425..8505		

Seq. No.	10008	Seq. ID	OJ990330_17.9819.C12
Gene No.	21348	Strand	+
Start	9534	End	10842
Name	OJ990330_17.9819.C12.o3.np	Method	AAT/NAP
Start	9534	End	10842
GI	5777617	Score	70
Exons	9534..9582, 10733..10842		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	10009	Seq. ID	OJ990330_17.9819.C13
Gene No.	21349	Strand	+
Start	703	End	1580
Name	OJ990330_17.9819.C13.o1.gp	Method	AAT/GAP
Start	703	End	1239
GI	uC-osrocyp015g10b1	Score	1070
Exons	703..1239		
GI Descrip.	'5921189/sp|Q43257|C7C4_MAIZE 2.0e-30 CYTOCHROME P450 71C4 >gi_550542_emb_CAA57425_ (X81831) cytochrome P450 [Zea mays] >gi_1850903_emb_CAA72196_ (Y11368) cytochrome p450 [Zea mays]'		

Seq. No.	10009	Seq. ID	OJ990330_17.9819.C13
Gene No.	21349	Strand	+
Start	703	End	1580
Name	OJ990330_17.9819.C13.o1.np	Method	AAT/NAP
Start	786	End	1580
GI	5921189	Score	574
Exons	786..1580		
GI Descrip.	CYTOCHROME P450 71C4 gi|550542|emb|CAA57425| (X81831) cytochrome P450 [Zea mays] gi|1850903|emb|CAA72196| (Y11368) cytochrome p450 [Zea mays]		

Seq. No.	10009	Seq. ID	OJ990330_17.9819.C13
Gene No.	21349	Strand	+
Start	703	End	1580
Name	OJ990330_17.9819.C13.o1.gs	Method	GENSCAN
Start	849	End	1551
GI	none	Score	.94
Exons	849..1551		

Seq. No.	10009	Seq. ID	OJ990330_17.9819.C13
Gene No.	21349	Strand	+
Start	703	End	1580
Name	OJ990330_17.9819.C13.o1.tc	Method	TBLASTX:Cress
Start	951	End	1460
GI	none	Score	87
Exons	951..1079, 1071..1352, 1214..1297, 1365..1460		

Seq. No.	10009	Seq. ID	OJ990330_17.9819.C13
Gene No.	21349	Strand	+
Start	703	End	1580
Name	OJ990330_17.9819.C13.o1.tm	Method	TBLASTX:Maize
Start	956	End	1562
GI	none	Score	59
Exons	956..1048, 968..1063, 969..1082, 972..1082, 1071..1364, 1071..1352, 1073..1366, 1355..1549, 1359..1562		

Seq. No.	10009	Seq. ID	OJ990330_17.9819.C13
Gene No.	21349	Strand	+
Start	703	End	1580
Name	OJ990330_17.9819.C13.o1.ts	Method	TBLASTX:Soybean
Start	969	End	1415
GI	none	Score	78
Exons	969..1079, 1070..1390, 1071..1415		

Seq. No.	10009	Seq. ID	OJ990330_17.9819.C13
Gene No.	21349	Strand	+
Start	703	End	1580
Name	OJ990330_17.9819.C13.o1.tw	Method	TBLASTX:Wheat
Start	975	End	1300
GI	none	Score	103
Exons	975..1082, 978..1082, 1070..1207, 1071..1208, 1172..1300, 1209..1298		

Seq. No.	10010	Seq. ID	OJ990330_17.9819.C14
Gene No.	21350	Strand	+
Start	1	End	661

Name	OJ990330_17.9819.C14.o1.np	Method	AAT/NAP
Start	1	End	661
GI	5921187	Score	528
Exons	1..661		
GI Descrip.	CYTOCHROME P450 71C2 gi|550438|emb|CAA57423| (X81829) cytochrome P450 [Zea mays] gi|1870201|emb|CAA72208| (Y11404) cytochrome p450 [Zea mays]		

Seq. No.	10010	Seq. ID	OJ990330_17.9819.C14
Gene No.	21350	Strand	+
Start	1	End	661
Name	OJ990330_17.9819.C14.o1.gs	Method	GENSCAN
Start	50	End	661
GI	none	Score	.58
Exons	50..661		

Seq. No.	10010	Seq. ID	OJ990330_17.9819.C14
Gene No.	21351	Strand	-
Start	378	End	864
Name	OJ990330_17.9819.C14.o1.tc	Method	TBLASTX:Cress
Start	40	End	562
GI	none	Score	317
Exons	40..408, 50..418, 224..424, 431..562, 433..561		

Seq. No.	10010	Seq. ID	OJ990330_17.9819.C14
Gene No.	21351	Strand	-
Start	378	End	864
Name	OJ990330_17.9819.C14.o1.tm	Method	TBLASTX:Maize
Start	40	End	651
GI	none	Score	450
Exons	40..462, 41..430, 440..577, 454..561, 587..649, 589..651		

Seq. No.	10010	Seq. ID	OJ990330_17.9819.C14
Gene No.	21351	Strand	-
Start	378	End	864
Name	OJ990330_17.9819.C14.o1.ts	Method	TBLASTX:Soybean
Start	50	End	649
GI	none	Score	85
Exons	50..160, 182..424, 214..426, 431..562, 433..564, 578..649		

Seq. No.	10010	Seq. ID	OJ990330_17.9819.C14
Gene No.	21351	Strand	-
Start	378	End	864
Name	OJ990330_17.9819.C14.o2.tw	Method	TBLASTX:Wheat
Start	50	End	307
GI	none	Score	91
Exons	50..154, 58..150, 169..306, 170..307		

Seq. No.	10010	Seq. ID	OJ990330_17.9819.C14
Gene No.	21351	Strand	-
Start	378	End	864
Name	OJ990330_17.9819.C14.o1.tw	Method	TBLASTX:Wheat
Start	310	End	657
GI	none	Score	140
Exons	310..411, 311..427, 311..412, 433..648, 437..652, 457..657		

Seq. No.	10010	Seq. ID	OJ990330_17.9819.C14

Gene No.	21351	Strand	-
Start	378	End	864
Name	OJ990330_17.9819.C14.o1.gp	Method	AAT/GAP
Start	378	End	864
GI	uC-osrocyp015g10a1	Score	966
Exons	378..864		
GI Descrip.	'5921187/sp|Q43255|C7C2_MAIZE 1.0e-21 CYTOCHROME P450 71C2 >gi_550438_emb_CAA57423_ (X81829) cytochrome P450 [Zea mays] >gi_1870201_emb_CAA72208_ (Y11404) cytochrome p450 [Zea mays]'		

Seq. No.	10011	Seq. ID	OJ990330_17.9819.C15
Gene No.	21352	Strand	+
Start	6753	End	7135
Name	OJ990330_17.9819.C15.o1.gp	Method	AAT/GAP
Start	6753	End	7135
GI	3759790	Score	664
Exons	6753..7135		

Seq. No.	10011	Seq. ID	OJ990330_17.9819.C15
Gene No.	21353	Strand	+
Start	8935	End	13815
Name	OJ990330_17.9819.C15.o1.np	Method	AAT/NAP
Start	8935	End	13815
GI	3540206	Score	407
Exons	8935..8982, 11302..11490, 12401..12490, 12855..13098, 13138..13815		
GI Descrip.	(AC004260) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	10011	Seq. ID	OJ990330_17.9819.C15
Gene No.	21353	Strand	+
Start	8935	End	13815
Name	OJ990330_17.9819.C15.o2.gp	Method	AAT/GAP
Start	8935	End	9383
GI	3759791	Score	740
Exons	8935..9317, 9359..9383		

Seq. No.	10011	Seq. ID	OJ990330_17.9819.C15
Gene No.	21354	Strand	+
Start	15648	End	18228
Name	OJ990330_17.9819.C15.o3.gp	Method	AAT/GAP
Start	15312	End	15743
GI	none	Score	783
Exons	15312..15743		

Seq. No.	10011	Seq. ID	OJ990330_17.9819.C15
Gene No.	21354	Strand	+
Start	15648	End	18228
Name	OJ990330_17.9819.C15.o2.gs	Method	GENSCAN
Start	15648	End	18225
GI	none	Score	.77
Exons	15648..15694, 17698..17929, 18013..18225		

Seq. No.	10011	Seq. ID	OJ990330_17.9819.C15
Gene No.	21354	Strand	+
Start	15648	End	18228
Name	OJ990330_17.9819.C15.o2.np	Method	AAT/NAP
Start	15648	End	18228

GI	6382505	Score	1319
Exons	15648..15743, 16964..17213, 17348..17555, 17698..17929, 18013..18228		
GI Descrip.	(AC010704) unknown protein [Arabidopsis thaliana]		

Seq. No.	10011	Seq. ID	OJ990330_17.9819.C15
Gene No.	21355	Strand	-
Start	18011	End	18571
Name	OJ990330_17.9819.C15.o4.gp	Method	AAT/GAP
Start	18011	End	18571
GI	none	Score	1086
Exons	18011..18571		

Seq. No.	10011	Seq. ID	OJ990330_17.9819.C15
Gene No.	21356	Strand	-
Start	19868	End	20610
Name	OJ990330_17.9819.C15.o1.ts	Method	TBLASTX:Soybean
Start	7008	End	7730
GI	none	Score	251
Exons	7008..7202, 7021..7263, 7103..7207, 7210..7278, 7232..7297, 7255..7719, 7273..7698, 7302..7730		

Seq. No.	10011	Seq. ID	OJ990330_17.9819.C15
Gene No.	21356	Strand	-
Start	19868	End	20610
Name	OJ990330_17.9819.C15.o3.tm	Method	TBLASTX:Maize
Start	7317	End	7713
GI	none	Score	161
Exons	7317..7424, 7318..7422, 7435..7713, 7443..7712		

Seq. No.	10011	Seq. ID	OJ990330_17.9819.C15
Gene No.	21356	Strand	-
Start	19868	End	20610
Name	OJ990330_17.9819.C15.o1.tm	Method	TBLASTX:Maize
Start	12675	End	17871
GI	none	Score	70
Exons	12675..12746, 12936..13025, 12941..13042, 12942..13031, 13050..13073, 13179..13664, 13223..13648, 13473..13610, 17685..17726, 17773..17871		

Seq. No.	10011	Seq. ID	OJ990330_17.9819.C15
Gene No.	21356	Strand	-
Start	19868	End	20610
Name	OJ990330_17.9819.C15.o1.tw	Method	TBLASTX:Wheat
Start	12936	End	13681
GI	none	Score	73
Exons	12936..13025, 13358..13681, 13359..13664		

Seq. No.	10011	Seq. ID	OJ990330_17.9819.C15
Gene No.	21356	Strand	-
Start	19868	End	20610
Name	OJ990330_17.9819.C15.o3.ts	Method	TBLASTX:Soybean
Start	15633	End	17167
GI	none	Score	125
Exons	15633..15743, 15633..15743, 16960..17166, 16961..17167, 16963..17166		

Seq. No.	10011	Seq. ID	OJ990330_17.9819.C15
Gene No.	21356	Strand	-
Start	19868	End	20610
Name	OJ990330_17.9819.C15.o2.tm	Method	TBLASTX:Maize
Start	15657	End	17484
GI	none	Score	139
Exons	15657..15743, 15662..15742, 15663..15743, 16961..17212, 16961..17221, 16963..17220, 16963..17238, 17329..17484, 17340..17483		

Seq. No.	10011	Seq. ID	OJ990330_17.9819.C15
Gene No.	21356	Strand	-
Start	19868	End	20610
Name	OJ990330_17.9819.C15.o2.ts	Method	TBLASTX:Soybean
Start	17168	End	18201
GI	none	Score	74
Exons	17168..17212, 17328..17561, 17329..17553, 17695..17775, 17695..17940, 17696..17932, 18007..18144, 18012..18143, 18157..18201		

Seq. No.	10011	Seq. ID	OJ990330_17.9819.C15
Gene No.	21356	Strand	-
Start	19868	End	20610
Name	OJ990330_17.9819.C15.o4.tm	Method	TBLASTX:Maize
Start	17872	End	18219
GI	none	Score	95
Exons	17872..17940, 17876..17932, 18007..18144, 18012..18140, 18126..18206, 18172..18219		

Seq. No.	10011	Seq. ID	OJ990330_17.9819.C15
Gene No.	21356	Strand	-
Start	19868	End	20610
Name	OJ990330_17.9819.C15.o3.gs	Method	GENSCAN
Start	19868	End	20610
GI	none	Score	.79
Exons	19868..19893, 20296..20442, 20550..20610		

Seq. No.	10012	Seq. ID	OJ990330_17.9819.C17
Gene No.	21357	Strand	+
Start	41	End	563
Name	OJ990330_17.9819.C17.o1.gs	Method	GENSCAN
Start	41	End	563
GI	none	Score	.67
Exons	41..143, 318..563		

Seq. No.	10013	Seq. ID	OJ990330_17.9819.C20
Gene No.	21358	Strand	+
Start	105	End	276
Name	OJ990330_17.9819.C20.o1.gs	Method	GENSCAN
Start	105	End	276
GI	none	Score	.81
Exons	105..276		

Seq. No.	10013	Seq. ID	OJ990330_17.9819.C20
Gene No.	21359	Strand	+
Start	1649	End	2937
Name	OJ990330_17.9819.C20.o1.np	Method	AAT/NAP

Start	1649	End	2937
GI	3193315	Score	347
Exons	1649..1872, 2546..2937		
GI Descrip.	(AF069299) contains similarity to transcriptional activator Ra [Arabidopsis thaliana]		

Seq. No.	10013	Seq. ID	OJ990330_17.9819.C20
Gene No.	21360	Strand	-
Start	2341	End	4253
Name	OJ990330_17.9819.C20.o2.gs	Method	GENSCAN
Start	2341	End	4253
GI	none	Score	.52
Exons	2341..3136, 4171..4253		

Seq. No.	10013	Seq. ID	OJ990330_17.9819.C20
Gene No.	21360	Strand	-
Start	2341	End	4253
Name	OJ990330_17.9819.C20.o1.ts	Method	TBLASTX:Soybean
Start	2572	End	2820
GI	none	Score	157
Exons	2572..2700, 2577..2699, 2751..2819, 2752..2820		

Seq. No.	10014	Seq. ID	OJ990330_17.9819.C21
Gene No.	21361	Strand	+
Start	1636	End	3077
Name	OJ990330_17.9819.C21.o1.gs	Method	GENSCAN
Start	1636	End	3077
GI	none	Score	.42
Exons	1636..1761, 3000..3077		

Seq. No.	10014	Seq. ID	OJ990330_17.9819.C21
Gene No.	21362	Strand	+
Start	8136	End	12228
Name	OJ990330_17.9819.C21.o3.gs	Method	GENSCAN
Start	8136	End	12228
GI	none	Score	.5
Exons	8136..8219, 12100..12228		

Seq. No.	10014	Seq. ID	OJ990330_17.9819.C21
Gene No.	21363	Strand	+
Start	15105	End	15812
Name	OJ990330_17.9819.C21.o4.gs	Method	GENSCAN
Start	15105	End	15812
GI	none	Score	.74
Exons	15105..15812		

Seq. No.	10014	Seq. ID	OJ990330_17.9819.C21
Gene No.	21364	Strand	+
Start	25539	End	26210
Name	OJ990330_17.9819.C21.o2.gp	Method	AAT/GAP
Start	25380	End	25622
GI	none	Score	406
Exons	25380..25622		

Seq. No.	10014	Seq. ID	OJ990330_17.9819.C21
Gene No.	21364	Strand	+
Start	25539	End	26210

Name	OJ990330_17.9819.C21.o6.gs	Method	GENSCAN
Start	25539	End	26210
GI	none	Score	.56
Exons	25539..26210		

Seq. No.	10014	Seq. ID	OJ990330_17.9819.C21
Gene No.	21365	Strand	-
Start	5056	End	6568
Name	OJ990330_17.9819.C21.o2.gs	Method	GENSCAN
Start	5056	End	6568
GI	none	Score	.51
Exons	5056..5124, 5211..5294, 5502..5666, 6497..6568		

Seq. No.	10014	Seq. ID	OJ990330_17.9819.C21
Gene No.	21366	Strand	-
Start	16303	End	24544
Name	OJ990330_17.9819.C21.o1.np	Method	AAT/NAP
Start	16303	End	20824
GI	4884488	Score	1080
Exons	16303..16370, 16646..16895, 17656..17756, 17865..18006, 18097..18185, 19008..19080, 19285..19377, 19451..19669, 19752..19855, 19954..20026, 20330..20356, 20476..20587, 20711..20824		
GI Descrip.	(AB027230) FAS2 [Arabidopsis thaliana]		

Seq. No.	10014	Seq. ID	OJ990330_17.9819.C21
Gene No.	21366	Strand	-
Start	16303	End	24544
Name	OJ990330_17.9819.C21.o5.gs	Method	GENSCAN
Start	16303	End	24544
GI	none	Score	.88
Exons	16303..16550, 16725..16892, 17656..17756, 17865..18003, 19285..19384, 19455..19669, 19752..19855, 19954..20026, 20330..20356, 20476..20587, 20643..20857, 23850..23957, 24538..24544		

Seq. No.	10014	Seq. ID	OJ990330_17.9819.C21
Gene No.	21366	Strand	-
Start	16303	End	24544
Name	OJ990330_17.9819.C21.o2.tm	Method	TBLASTX:Maize
Start	16409	End	17948
GI	none	Score	63
Exons	16409..16507, 16816..16893, 17655..17756, 17660..17758, 17666..17755, 17671..17763, 17677..17790, 17862..17927, 17863..17925, 17863..17946, 17864..17947, 17865..17948		

Seq. No.	10014	Seq. ID	OJ990330_17.9819.C21
Gene No.	21366	Strand	-
Start	16303	End	24544
Name	OJ990330_17.9819.C21.o1.ts	Method	TBLASTX:Soybean
Start	17652	End	18175
GI	4396852	Score	73
Exons	17652..17756, 17663..17755, 17862..17984, 17864..17983, 17864..18016, 17871..18017, 18087..18173, 18110..18175		
GI Descrip.	3121829/sp_Q13112_CAFA_HUMAN 2.0e-26 CHROMATIN ASSEMBLY FACTOR I P60 SUBUNIT (CAF-I 60 KD SUBUNIT) >gi_2134915_pir__B56731 chromatin assembly factor I p60 chain - human >gi_882260		

(U20980) chromatin assembly factor-I p60 subunit [Homo sapiens]

Seq. No.	10014	Seq. ID	OJ990330_17.9819.C21
Gene No.	21366	Strand	-
Start	16303	End	24544
Name	OJ990330_17.9819.C21.o1.tm	Method	TBLASTX:Maize
Start	18105	End	19596
GI	none	Score	120
Exons	18105..18188, 18107..18211, 18110..18187, 19007..19075, 19008..19091, 19280..19387, 19284..19385, 19285..19386, 19285..19395, 19286..19390, 19455..19574, 19455..19574, 19456..19584, 19459..19596		

Seq. No.	10014	Seq. ID	OJ990330_17.9819.C21
Gene No.	21366	Strand	-
Start	16303	End	24544
Name	OJ990330_17.9819.C21.o2.ts	Method	TBLASTX:Soybean
Start	20328	End	20819
GI	none	Score	37
Exons	20328..20360, 20329..20370, 20471..20593, 20475..20585, 20706..20819, 20711..20818		

Seq. No.	10014	Seq. ID	OJ990330_17.9819.C21
Gene No.	21366	Strand	-
Start	16303	End	24544
Name	OJ990330_17.9819.C21.o3.tm	Method	TBLASTX:Maize
Start	20471	End	20825
GI	none	Score	67
Exons	20471..20506, 20475..20516, 20534..20563, 20706..20825, 20708..20824		

Seq. No.	10014	Seq. ID	OJ990330_17.9819.C21
Gene No.	21367	Strand	
Start	25707	End	26150
Name	OJ990330_17.9819.C21.o1.tc	Method	TBLASTX:Cress
Start	25707	End	26150
GI	none	Score	109
Exons	25707..25814, 25920..26150		

Seq. No.	10015	Seq. ID	OJ990330_17.9819.C23
Gene No.	21368	Strand	-
Start	45	End	437
Name	OJ990330_17.9819.C23.o1.gs	Method	GENSCAN
Start	45	End	437
GI	none	Score	.48
Exons	45..219, 308..437		

Seq. No.	10015	Seq. ID	OJ990330_17.9819.C23
Gene No.	21369	Strand	-
Start	401	End	736
Name	OJ990330_17.9819.C23.o1.np	Method	AAT/NAP
Start	401	End	736
GI	3386625	Score	51
Exons	401..736		
GI Descrip.	(AC004665) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	10016	Seq. ID	OJ990330_17.9819.C24

Gene No.	21370	Strand	-
Start	32	End	91
Name	OJ990330_17.9819.C24.o1.gs	Method	GENSCAN
Start	32	End	91
GI	none	Score	.89
Exons	32..91		

Seq. No.	10017	Seq. ID	OJ990330_17.9819.C27
Gene No.	21371	Strand	-
Start	52	End	361
Name	OJ990330_17.9819.C27.o1.np	Method	AAT/NAP
Start	52	End	361
GI	1346530	Score	324
Exons	52..361		
GI Descrip.	MAGO NASHI PROTEIN HOMOLOG		

Seq. No.	10017	Seq. ID	OJ990330_17.9819.C27
Gene No.	21371	Strand	-
Start	52	End	361
Name	OJ990330_17.9819.C27.o1.tc	Method	TBLASTX:Cress
Start	119	End	316
GI	none	Score	192
Exons	119..316, 138..314		

Seq. No.	10017	Seq. ID	OJ990330_17.9819.C27
Gene No.	21371	Strand	-
Start	52	End	361
Name	OJ990330_17.9819.C27.o1.tm	Method	TBLASTX:Maize
Start	119	End	316
GI	none	Score	103
Exons	119..190, 119..316, 123..314		

Seq. No.	10017	Seq. ID	OJ990330_17.9819.C27
Gene No.	21371	Strand	-
Start	52	End	361
Name	OJ990330_17.9819.C27.o1.ts	Method	TBLASTX:Soybean
Start	119	End	349
GI	none	Score	56
Exons	119..190, 119..349, 150..314		

Seq. No.	10017	Seq. ID	OJ990330_17.9819.C27
Gene No.	21371	Strand	-
Start	52	End	361
Name	OJ990330_17.9819.C27.o1.gs	Method	GENSCAN
Start	122	End	355
GI	none	Score	.98
Exons	122..355		

Seq. No.	10018	Seq. ID	OJ990310_12.9819.C1
Gene No.	21372	Strand	-
Start	441	End	1083
Name	OJ990310_12.9819.C1.o1.gp	Method	AAT/GAP
Start	441	End	1083
GI	53834_1.R1084	Score	734
Exons	441..645, 738..825, 949..1083		
GI Descrip.	'4835771/gb|AAD30238.1|AC007202_20 5.0e-11 (AC007202) Similar to gi_3844599 F31D5.2 gene product from Caenorhabditis elegans		

cosmid gb_U28941 and contains PF_00097 Zinc (Ring) finger C3HC4 domain. ESTs gb_F19963 and gb_T42582 come from this gene. [Arabidops'

Seq. No.	10019	Seq. ID	OJ990310_12.9819.C3
Gene No.	21373	Strand	
Start	8	End	325
Name	OJ990310_12.9819.C3.o1.tw	Method	TBLASTX:Wheat
Start	8	End	325
GI	none	Score	87
Exons	8..190, 12..206, 173..271, 174..266, 278..325		

Seq. No.	10019	Seq. ID	OJ990310_12.9819.C3
Gene No.	21373	Strand	
Start	8	End	325
Name	OJ990310_12.9819.C3.o1.tm	Method	TBLASTX:Maize
Start	35	End	320
GI	none	Score	107
Exons	35..283, 36..320		

Seq. No.	10020	Seq. ID	OJ990310_12.9819.C5
Gene No.	21374	Strand	-
Start	2303	End	2449
Name	OJ990310_12.9819.C5.o2.gp	Method	AAT/GAP
Start	2303	End	2449
GI	21474_1.R1084	Score	262
Exons	2303..2449		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	10021	Seq. ID	OJ990310_12.9819.C10
Gene No.	21375	Strand	
Start	217	End	724
Name	OJ990310_12.9819.C10.o1.ts	Method	TBLASTX:Soybean
Start	217	End	588
GI	none	Score	90
Exons	217..588, 428..571		

Seq. No.	10021	Seq. ID	OJ990310_12.9819.C10
Gene No.	21375	Strand	
Start	217	End	724
Name	OJ990310_12.9819.C10.o2.tw	Method	TBLASTX:Wheat
Start	242	End	667
GI	none	Score	323
Exons	242..667, 247..666		

Seq. No.	10021	Seq. ID	OJ990310_12.9819.C10
Gene No.	21375	Strand	
Start	217	End	724
Name	OJ990310_12.9819.C10.o2.tm	Method	TBLASTX:Maize
Start	340	End	724
GI	none	Score	226
Exons	340..723, 359..724		

Seq. No.	10021	Seq. ID	OJ990310_12.9819.C10
Gene No.	21376	Strand	
Start	751	End	1238

Name	OJ990310_12.9819.C10.o1.tm	Method	TBLASTX:Maize
Start	751	End	1107
GI	none	Score	69
Exons	751..867, 751..1107, 761..1072		

Seq. No.	10021	Seq. ID	OJ990310_12.9819.C10
Gene No.	21376	Strand	
Start	751	End	1238
Name	OJ990310_12.9819.C10.o1.tw	Method	TBLASTX:Wheat
Start	775	End	1238
GI	none	Score	354
Exons	775..1236, 782..1237, 795..1238		

Seq. No.	10021	Seq. ID	OJ990310_12.9819.C10
Gene No.	21376	Strand	
Start	751	End	1238
Name	OJ990310_12.9819.C10.o2.ts	Method	TBLASTX:Soybean
Start	832	End	1197
GI	none	Score	106
Exons	832..966, 973..1197		

Seq. No.	10021	Seq. ID	OJ990310_12.9819.C10
Gene No.	21377	Strand	
Start	1429	End	1888
Name	OJ990310_12.9819.C10.o3.tw	Method	TBLASTX:Wheat
Start	1429	End	1888
GI	none	Score	175
Exons	1429..1887, 1433..1693, 1751..1888		

Seq. No.	10022	Seq. ID	OJ990310_12.9819.C11
Gene No.	21378	Strand	-
Start	488	End	1864
Name	OJ990310_12.9819.C11.o1.gp	Method	AAT/GAP
Start	488	End	1864
GI	none	Score	994
Exons	488..811, 1474..1864		

Seq. No.	10023	Seq. ID	OJ990310_12.9819.C13
Gene No.	21379	Strand	-
Start	382	End	638
Name	OJ990310_12.9819.C13.o1.gp	Method	AAT/GAP
Start	382	End	638
GI	none	Score	448
Exons	382..638		

Seq. No.	10023	Seq. ID	OJ990310_12.9819.C13
Gene No.	21380	Strand	
Start	592	End	1368
Name	OJ990310_12.9819.C13.o1.tm	Method	TBLASTX:Maize
Start	592	End	1368
GI	none	Score	52
Exons	592..687, 599..697, 769..867, 776..865, 1044..1181, 1049..1180, 1049..1186, 1053..1187, 1054..1194, 1292..1360, 1293..1361, 1297..1368		

Seq. No.	10023	Seq. ID	OJ990310_12.9819.C13
Gene No.	21380	Strand	

Start	592	End	1368
Name	OJ990310_12.9819.C13.o1.tc	Method	TBLASTX:Cress
Start	593	End	1361
GI	none	Score	85
Exons	593..697, 598..690, 775..867, 776..865, 1049..1186, 1053..1187, 1292..1360, 1293..1361		

Seq. No.	10023	Seq. ID	OJ990310_12.9819.C13
Gene No.	21380	Strand	
Start	592	End	1368
Name	OJ990310_12.9819.C13.o1.ts	Method	TBLASTX:Soybean
Start	613	End	1364
GI	none	Score	68
Exons	613..690, 766..855, 770..868, 772..867, 1053..1181, 1054..1155, 1055..1186, 1059..1187, 1292..1360, 1293..1364		

Seq. No.	10024	Seq. ID	OJ990310_12.9819.C14
Gene No.	21381	Strand	+
Start	503	End	734
Name	OJ990310_12.9819.C14.o1.tc	Method	TBLASTX:Cress
Start	58	End	734
GI	none	Score	137
Exons	58..141, 59..142, 461..619, 462..620, 699..734		

Seq. No.	10024	Seq. ID	OJ990310_12.9819.C14
Gene No.	21381	Strand	+
Start	503	End	734
Name	OJ990310_12.9819.C14.o1.tm	Method	TBLASTX:Maize
Start	59	End	734
GI	none	Score	134
Exons	59..142, 64..141, 451..564, 462..620, 462..620, 473..625, 696..734, 699..734		

Seq. No.	10024	Seq. ID	OJ990310_12.9819.C14
Gene No.	21381	Strand	+
Start	503	End	734
Name	OJ990310_12.9819.C14.o1.ts	Method	TBLASTX:Soybean
Start	59	End	719
GI	none	Score	116
Exons	59..142, 459..614, 462..620, 473..619, 479..634, 699..719		

Seq. No.	10024	Seq. ID	OJ990310_12.9819.C14
Gene No.	21381	Strand	+
Start	503	End	734
Name	OJ990310_12.9819.C14.o1.gp	Method	AAT/GAP
Start	503	End	734
GI	62345_1.R1084	Score	261
Exons	503..617, 699..734		
GI Descrip.	'4325324/gb|AAD17333| 4.0e-59 (AF125574) lysyl-tRNA synthetase; LysRS [Arabidopsis thaliana] >gi_6041823_gb_AAF02138.1_AC009918_10 (AC009918) lysyl-tRNA synthetase [Arabidopsis thaliana]'		

Seq. No.	10025	Seq. ID	OJ990310_12.9819.C24
Gene No.	21382	Strand	
Start	99	End	450
Name	OJ990310_12.9819.C24.o1.tw	Method	TBLASTX:Wheat

Start	99	End	450
GI	none	Score	281
Exons	99..380, 119..346, 382..420, 382..420, 418..450		

Seq. No.	10026	Seq. ID	OJ990310_12.9819.C27
Gene No.	21383	Strand	+
Start	202	End	494
Name	OJ990310_12.9819.C27.o1.gp	Method	AAT/GAP
Start	202	End	494
GI	none	Score	562
Exons	202..494		

Seq. No.	10027	Seq. ID	OJ990310_12.9819.C35
Gene No.	21384	Strand	
Start	77	End	596
Name	OJ990310_12.9819.C35.o1.tm	Method	TBLASTX:Maize
Start	77	End	596
GI	none	Score	41
Exons	77..127, 93..128, 112..192, 116..196, 117..197, 144..197, 145..198, 435..596, 436..498, 444..593, 526..594		

Seq. No.	10027	Seq. ID	OJ990310_12.9819.C35
Gene No.	21384	Strand	
Start	77	End	596
Name	OJ990310_12.9819.C35.o1.tw	Method	TBLASTX:Wheat
Start	91	End	596
GI	none	Score	70
Exons	91..114, 116..196, 117..191, 435..596, 438..593, 446..595		

Seq. No.	10028	Seq. ID	OJ990310_12.9819.C40
Gene No.	21385	Strand	-
Start	108	End	299
Name	OJ990310_12.9819.C40.o1.gp	Method	AAT/GAP
Start	108	End	299
GI	none	Score	157
Exons	108..168, 252..299		

Seq. No.	10029	Seq. ID	OJ990310_12.9819.C41
Gene No.	21386	Strand	+
Start	171	End	768
Name	OJ990310_12.9819.C41.o1.gp	Method	AAT/GAP
Start	171	End	768
GI	342_1.R1084	Score	742
Exons	171..308, 351..768		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	10029	Seq. ID	OJ990310_12.9819.C41
Gene No.	21386	Strand	+
Start	171	End	768
Name	OJ990310_12.9819.C41.o2.gp	Method	AAT/GAP
Start	613	End	768
GI	LIB3431-028-P1-N1-A10	Score	228
Exons	613..683, 711..768		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	10030	Seq. ID	OJ990310_12.9819.C42
Gene No.	21387	Strand	+
Start	61	End	2146
Name	OJ990310_12.9819.C42.o1.gp	Method	AAT/GAP
Start	61	End	2146
GI	342_1.R1084	Score	3514
Exons	61..2146		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	10030	Seq. ID	OJ990310_12.9819.C42
Gene No.	21388	Strand	-
Start	1079	End	2597
Name	OJ990310_12.9819.C42.o2.tw	Method	TBLASTX:Wheat
Start	172	End	621
GI	none	Score	113
Exons	172..297, 174..302, 174..296, 224..301, 330..548, 370..552, 558..620, 571..621		

Seq. No.	10030	Seq. ID	OJ990310_12.9819.C42
Gene No.	21388	Strand	-
Start	1079	End	2597
Name	OJ990310_12.9819.C42.o2.ts	Method	TBLASTX:Soybean
Start	654	End	896
GI	none	Score	210
Exons	654..896		

Seq. No.	10030	Seq. ID	OJ990310_12.9819.C42
Gene No.	21388	Strand	-
Start	1079	End	2597
Name	OJ990310_12.9819.C42.o1.tm	Method	TBLASTX:Maize
Start	726	End	1184
GI	none	Score	105
Exons	726..920, 930..1184, 930..1172		

Seq. No.	10030	Seq. ID	OJ990310_12.9819.C42
Gene No.	21388	Strand	-
Start	1079	End	2597
Name	OJ990310_12.9819.C42.o1.tw	Method	TBLASTX:Wheat
Start	760	End	1229
GI	none	Score	168
Exons	760..966, 760..969, 765..989, 967..1059, 969..1067, 970..1062, 1071..1175, 1075..1164, 1176..1229, 1177..1221		

Seq. No.	10030	Seq. ID	OJ990310_12.9819.C42
Gene No.	21388	Strand	-
Start	1079	End	2597
Name	OJ990310_12.9819.C42.o1.tc	Method	TBLASTX:Cress
Start	1017	End	1365
GI	none	Score	88
Exons	1017..1358, 1036..1173, 1213..1365		

Seq. No.	10030	Seq. ID	OJ990310_12.9819.C42
Gene No.	21388	Strand	-
Start	1079	End	2597
Name	OJ990310_12.9819.C42.o3.gp	Method	AAT/GAP
Start	1079	End	2597

GI	2310235	Score	308
Exons	1079..1134, 2011..2150, 2560..2597		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	10030	Seq. ID	OJ990310_12.9819.C42
Gene No.	21388	Strand	-
Start	1079	End	2597
Name	OJ990310_12.9819.C42.o1.ts	Method	TBLASTX:Soybean
Start	1098	End	1527
GI	none	Score	117
Exons	1098..1394, 1116..1337, 1389..1451, 1444..1527, 1452..1526		

Seq. No.	10030	Seq. ID	OJ990310_12.9819.C42
Gene No.	21388	Strand	-
Start	1079	End	2597
Name	OJ990310_12.9819.C42.o3.tw	Method	TBLASTX:Wheat
Start	1443	End	1799
GI	none	Score	158
Exons	1443..1700, 1448..1699, 1458..1709, 1459..1701, 1692..1799		

Seq. No.	10031	Seq. ID	OJ990310_12.9819.C46
Gene No.	21389	Strand	
Start	331	End	840
Name	OJ990310_12.9819.C46.o1.tw	Method	TBLASTX:Wheat
Start	331	End	712
GI	none	Score	171
Exons	331..711, 362..610, 656..712		

Seq. No.	10031	Seq. ID	OJ990310_12.9819.C46
Gene No.	21389	Strand	
Start	331	End	840
Name	OJ990310_12.9819.C46.o1.tm	Method	TBLASTX:Maize
Start	487	End	840
GI	none	Score	187
Exons	487..534, 526..840, 539..805		

Seq. No.	10032	Seq. ID	OJ990310_12.9819.C50
Gene No.	21390	Strand	
Start	74	End	1109
Name	OJ990310_12.9819.C50.o1.ts	Method	TBLASTX:Soybean
Start	74	End	1109
GI	none	Score	186
Exons	74..334, 124..207, 280..333, 613..714, 614..715, 731..781, 736..780, 972..1109		

Seq. No.	10033	Seq. ID	OJ990310_12.9819.C51
Gene No.	21391	Strand	
Start	20	End	246
Name	OJ990310_12.9819.C51.o1.tc	Method	TBLASTX:Cress
Start	20	End	244
GI	none	Score	71
Exons	20..91, 98..244, 115..219		

Seq. No.	10033	Seq. ID	OJ990310_12.9819.C51
Gene No.	21391	Strand	
Start	20	End	246

Name	OJ990310_12.9819.C51.o1.tm	Method	TBLASTX:Maize
Start	20	End	243
GI	none	Score	72
Exons	20..91, 98..241, 115..243, 115..216		

Seq. No.	10033	Seq. ID	OJ990310_12.9819.C51
Gene No.	21391	Strand	
Start	20	End	246
Name	OJ990310_12.9819.C51.o1.ts	Method	TBLASTX:Soybean
Start	29	End	246
GI	none	Score	260
Exons	29..151, 32..244, 115..246, 115..219		

Seq. No.	10034	Seq. ID	OJ990310_12.9819.C52
Gene No.	21392	Strand	
Start	463	End	1290
Name	OJ990310_12.9819.C52.o1.tc	Method	TBLASTX:Cress
Start	463	End	1290
GI	none	Score	89
Exons	463..579, 468..578, 594..629, 602..634, 787..858, 959..1000, 1054..1155, 1055..1150, 1237..1290, 1248..1289		

Seq. No.	10034	Seq. ID	OJ990310_12.9819.C52
Gene No.	21392	Strand	
Start	463	End	1290
Name	OJ990310_12.9819.C52.o1.ts	Method	TBLASTX:Soybean
Start	787	End	1290
GI	none	Score	101
Exons	787..912, 988..1038, 1027..1152, 1046..1147, 1233..1289, 1264..1290		

Seq. No.	10035	Seq. ID	OJ990310_12.9819.C53
Gene No.	21393	Strand	-
Start	226	End	430
Name	OJ990310_12.9819.C53.o1.gp	Method	AAT/GAP
Start	226	End	430
GI	none	Score	347
Exons	226..430		

Seq. No.	10036	Seq. ID	OJ990310_12.9819.C55
Gene No.	21394	Strand	+
Start	87	End	3487
Name	OJ990310_12.9819.C55.o1.gp	Method	AAT/GAP
Start	87	End	2091
GI	21728_1.R1084	Score	617
Exons	87..143, 559..650, 892..939, 1685..1805, 1884..1930, 2060..2091		
GI Descrip.	'6015106/sp|P78575|ER24_ASCIM 2.0e-14 C-14 STEROL REDUCTASE (STEROL C14-REDUCTASE) >gi_1805625_emb_CAA71650_ (Y10624) sterol C-14 reductase [Ascobolus immersus]'		

Seq. No.	10036	Seq. ID	OJ990310_12.9819.C55
Gene No.	21394	Strand	+
Start	87	End	3487
Name	OJ990310_12.9819.C55.o1.tm	Method	TBLASTX:Maize
Start	87	End	3487
GI	none	Score	81
Exons	87..179, 540..653, 559..657, 602..661, 882..947, 892..942,		

1676..1804, 1689..1805, 1689..1805, 1708..1806, 1872..1931,
1874..1936, 1883..1933, 2063..2170, 2070..2165, 2084..2206,
2377..2460, 2379..2456, 2561..2680, 2562..2681, 2569..2682,
3147..3221, 3147..3221, 3152..3226, 3291..3455, 3292..3459,
3293..3487

Seq. No.	10036	Seq. ID	OJ990310_12.9819.C55
Gene No.	21394	Strand	+
Start	87	End	3487
Name	OJ990310_12.9819.C55.o1.ts	Method	TBLASTX:Soybean
Start	90	End	3459
GI	none	Score	77
Exons	90..179, 540..653, 544..657, 892..942, 893..940, 1676..1807, 1689..1820, 1699..1833, 1875..1931, 2070..2165, 2072..2170, 2084..2170, 2377..2460, 2379..2459, 2562..2678, 2567..2677, 2570..2680, 3147..3221, 3152..3226, 3291..3404, 3292..3390, 3334..3459, 3360..3452		

Seq. No.	10037	Seq. ID	OJ990310_12.9819.C56
Gene No.	21395	Strand	
Start	1593	End	1976
Name	OJ990310_12.9819.C56.o1.tw	Method	TBLASTX:Wheat
Start	1593	End	1976
GI	none	Score	42
Exons	1593..1736, 1700..1975, 1731..1976, 1884..1976		

Seq. No.	10037	Seq. ID	OJ990310_12.9819.C56
Gene No.	21395	Strand	
Start	1593	End	1976
Name	OJ990310_12.9819.C56.o1.tm	Method	TBLASTX:Maize
Start	1715	End	1976
GI	none	Score	373
Exons	1715..1975, 1722..1976, 1884..1976		

Seq. No.	10037	Seq. ID	OJ990310_12.9819.C56
Gene No.	21395	Strand	
Start	1593	End	1976
Name	OJ990310_12.9819.C56.o1.ts	Method	TBLASTX:Soybean
Start	1736	End	1976
GI	none	Score	375
Exons	1736..1972, 1737..1976, 1884..1976		

Seq. No.	10037	Seq. ID	OJ990310_12.9819.C56
Gene No.	21395	Strand	
Start	1593	End	1976
Name	OJ990310_12.9819.C56.o1.tc	Method	TBLASTX:Cress
Start	1827	End	1976
GI	none	Score	227
Exons	1827..1976, 1853..1960		

Seq. No.	10038	Seq. ID	OJ990310_12.9819.C66
Gene No.	21396	Strand	+
Start	1070	End	1907
Name	OJ990310_12.9819.C66.o1.gp	Method	AAT/GAP
Start	1070	End	1896
GI	none	Score	846
Exons	1070..1212, 1401..1556, 1631..1693, 1777..1896		

Seq. No.	10038	Seq. ID	OJ990310_12.9819.C66
Gene No.	21396	Strand	+
Start	1070	End	1907
Name	OJ990310_12.9819.C66.o1.tm	Method	TBLASTX:Maize
Start	1460	End	1907
GI	none	Score	131
Exons	1460..1555, 1468..1566, 1470..1556, 1471..1563, 1628..1705, 1630..1710, 1630..1704, 1772..1906, 1777..1905, 1785..1907		

Seq. No.	10039	Seq. ID	OJ990310_12.9819.C67
Gene No.	21397	Strand	+
Start	3970	End	4468
Name	OJ990310_12.9819.C67.o2.tm	Method	TBLASTX:Maize
Start	90	End	1463
GI	none	Score	182
Exons	90..215, 90..215, 103..216, 103..219, 726..836, 730..837, 755..841, 756..842, 936..1061, 937..1068, 1355..1462, 1374..1463, 1382..1462		

Seq. No.	10039	Seq. ID	OJ990310_12.9819.C67
Gene No.	21397	Strand	+
Start	3970	End	4468
Name	OJ990310_12.9819.C67.o1.tm	Method	TBLASTX:Maize
Start	1781	End	4364
GI	none	Score	91
Exons	1781..1855, 1785..1844, 2376..2486, 2377..2481, 2578..2718, 2578..2733, 3348..3452, 3506..3598, 3507..3599, 3508..3600, 3671..3802, 3672..3836, 3764..3895, 3801..3911, 3801..3911, 3975..4031, 3977..4036, 3979..4053, 4125..4184, 4126..4185, 4127..4195, 4263..4364, 4301..4363		

Seq. No.	10039	Seq. ID	OJ990310_12.9819.C67
Gene No.	21397	Strand	+
Start	3970	End	4468
Name	OJ990310_12.9819.C67.o1.gp	Method	AAT/GAP
Start	3970	End	4468
GI	none	Score	340
Exons	3970..4032, 4127..4218, 4302..4362, 4440..4468		

Seq. No.	10040	Seq. ID	OJ990310_12.9819.C68
Gene No.	21398	Strand	+
Start	1	End	278
Name	OJ990310_12.9819.C68.o1.gp	Method	AAT/GAP
Start	1	End	278
GI	none	Score	480
Exons	1..278		

Seq. No.	10040	Seq. ID	OJ990310_12.9819.C68
Gene No.	21399	Strand	
Start	198	End	501
Name	OJ990310_12.9819.C68.o1.tm	Method	TBLASTX:Maize
Start	198	End	501
GI	none	Score	134
Exons	198..374, 255..374, 256..378, 286..375, 454..501		

Seq. No.	10041	Seq. ID	OJ990310_12.9819.C69

Gene No.	21400	Strand	-
Start	462	End	605
Name	OJ990310_12.9819.C69.o1.gp	Method	AAT/GAP
Start	462	End	605
GI	LIB3431-027-P1-K1-D5	Score	251
Exons	462..605		
GI Descrip.	'2190552 1.0e-21 (AC001229) Similar to Holcus major pollen allergen (gb_Z27084). [Arabidopsis thaliana]'		

Seq. No.	10042	Seq. ID	OJ990310_12.9819.C71
Gene No.	21401	Strand	
Start	2946	End	3452
Name	OJ990310_12.9819.C71.o2.tw	Method	TBLASTX:Wheat
Start	2946	End	3281
GI	none	Score	78
Exons	2946..3098, 3099..3281		

Seq. No.	10042	Seq. ID	OJ990310_12.9819.C71
Gene No.	21401	Strand	
Start	2946	End	3452
Name	OJ990310_12.9819.C71.o1.tm	Method	TBLASTX:Maize
Start	3027	End	3452
GI	none	Score	456
Exons	3027..3452, 3038..3451		

Seq. No.	10042	Seq. ID	OJ990310_12.9819.C71
Gene No.	21402	Strand	
Start	3455	End	4295
Name	OJ990310_12.9819.C71.o2.tm	Method	TBLASTX:Maize
Start	3455	End	4060
GI	none	Score	98
Exons	3455..3523, 3456..3533, 3501..4058, 3551..3709, 3788..4060		

Seq. No.	10042	Seq. ID	OJ990310_12.9819.C71
Gene No.	21402	Strand	
Start	3455	End	4295
Name	OJ990310_12.9819.C71.o1.ts	Method	TBLASTX:Soybean
Start	3678	End	4217
GI	none	Score	146
Exons	3678..4028, 4035..4058, 4089..4217		

Seq. No.	10042	Seq. ID	OJ990310_12.9819.C71
Gene No.	21402	Strand	
Start	3455	End	4295
Name	OJ990310_12.9819.C71.o1.tw	Method	TBLASTX:Wheat
Start	3699	End	4139
GI	none	Score	234
Exons	3699..3995, 3701..3991, 3981..4139, 4046..4135		

Seq. No.	10042	Seq. ID	OJ990310_12.9819.C71
Gene No.	21402	Strand	
Start	3455	End	4295
Name	OJ990310_12.9819.C71.o4.tm	Method	TBLASTX:Maize
Start	4077	End	4295
GI	none	Score	225
Exons	4077..4295, 4094..4294		

Seq. No.	10042	Seq. ID	OJ990310_12.9819.C71
Gene No.	21403	Strand	
Start	4626	End	5096
Name	OJ990310_12.9819.C71.o3.tm	Method	TBLASTX:Maize
Start	4626	End	4908
GI	none	Score	293
Exons	4626..4907, 4632..4844, 4633..4908		

Seq. No.	10042	Seq. ID	OJ990310_12.9819.C71
Gene No.	21403	Strand	
Start	4626	End	5096
Name	OJ990310_12.9819.C71.o3.tw	Method	TBLASTX:Wheat
Start	4695	End	5096
GI	none	Score	95
Exons	4695..4844, 4902..5096		

Seq. No.	10043	Seq. ID	OJ990310_12.9819.C72
Gene No.	21404	Strand	
Start	916	End	1090
Name	OJ990310_12.9819.C72.o1.tm	Method	TBLASTX:Maize
Start	916	End	1090
GI	none	Score	108
Exons	916..990, 930..989, 983..1090, 1001..1045		

Seq. No.	10044	Seq. ID	OJ990310_12.9819.C74
Gene No.	21405	Strand	
Start	94	End	1645
Name	OJ990310_12.9819.C74.o1.tc	Method	TBLASTX:Cress
Start	94	End	1645
GI	none	Score	100
Exons	94..165, 95..172, 369..470, 369..470, 370..471, 567..653, 568..651, 569..655, 771..872, 772..876, 1600..1644, 1601..1645		

Seq. No.	10044	Seq. ID	OJ990310_12.9819.C74
Gene No.	21405	Strand	
Start	94	End	1645
Name	OJ990310_12.9819.C74.o1.tm	Method	TBLASTX:Maize
Start	94	End	876
GI	none	Score	115
Exons	94..165, 95..184, 361..462, 368..469, 369..470, 369..470, 370..471, 564..644, 567..653, 568..651, 579..695, 758..871, 771..872, 772..876, 772..876		

Seq. No.	10044	Seq. ID	OJ990310_12.9819.C74
Gene No.	21405	Strand	
Start	94	End	1645
Name	OJ990310_12.9819.C74.o1.ts	Method	TBLASTX:Soybean
Start	94	End	1645
GI	none	Score	98
Exons	94..183, 95..172, 369..470, 370..471, 565..651, 567..653, 758..868, 771..872, 772..876, 772..876, 1601..1645		

Seq. No.	10045	Seq. ID	OJ990310_12.9819.C75
Gene No.	21406	Strand	
Start	1	End	1318
Name	OJ990310_12.9819.C75.o2.tm	Method	TBLASTX:Maize
Start	1	End	175

GI	none	Score	169
Exons	1..135, 2..136, 5..151, 84..158, 133..174, 134..175		

Seq. No.	10045	Seq. ID	OJ990310_12.9819.C75
Gene No.	21406	Strand	
Start	1	End	1318
Name	OJ990310_12.9819.C75.o1.ts	Method	TBLASTX:Soybean
Start	2	End	1318
GI	none	Score	183
Exons	2..319, 37..180, 329..367, 1044..1160, 1277..1318		

Seq. No.	10045	Seq. ID	OJ990310_12.9819.C75
Gene No.	21406	Strand	
Start	1	End	1318
Name	OJ990310_12.9819.C75.o1.tm	Method	TBLASTX:Maize
Start	179	End	1318
GI	none	Score	299
Exons	179..430, 185..445, 265..432, 523..600, 523..609, 524..601, 1034..1159, 1042..1188, 1043..1156, 1044..1160, 1273..1317, 1277..1318, 1277..1318		

Seq. No.	10046	Seq. ID	OJ990310_12.9819.C76
Gene No.	21407	Strand	
Start	629	End	1029
Name	OJ990310_12.9819.C76.o1.tc	Method	TBLASTX:Cress
Start	629	End	1026
GI	none	Score	65
Exons	629..802, 660..812, 667..909, 769..798, 888..962, 915..947, 916..993, 977..1024, 985..1026		

Seq. No.	10046	Seq. ID	OJ990310_12.9819.C76
Gene No.	21407	Strand	
Start	629	End	1029
Name	OJ990310_12.9819.C76.o1.ts	Method	TBLASTX:Soybean
Start	676	End	1029
GI	none	Score	254
Exons	676..960, 692..964, 760..966, 895..1029, 990..1028		

Seq. No.	10047	Seq. ID	OJ990310_12.9819.C79
Gene No.	21408	Strand	-
Start	88	End	297
Name	OJ990310_12.9819.C79.o1.gp	Method	AAT/GAP
Start	88	End	297
GI	none	Score	150
Exons	88..165, 249..297		

Seq. No.	10048	Seq. ID	OJ990310_12.9819.C81
Gene No.	21409	Strand	-
Start	1140	End	1203
Name	OJ990310_12.9819.C81.o1.gp	Method	AAT/GAP
Start	1140	End	1203
GI	3760640	Score	69
Exons	1140..1203		
GI Descrip.	4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	10049	Seq. ID	OJ990310_12.9819.C82

Gene No.	21410	Strand	
Start	4662	End	4920
Name	OJ990310_12.9819.C82.o1.tm	Method	TBLASTX:Maize
Start	4662	End	4920
GI	none	Score	202
Exons	4662..4712, 4753..4920, 4839..4919		

Seq. No.	10050	Seq. ID	OJ990310_12.9819.C83
Gene No.	21411	Strand	+
Start	1136	End	2082
Name	OJ990310_12.9819.C83.o1.tm	Method	TBLASTX:Maize
Start	1092	End	1519
GI	none	Score	226
Exons	1092..1382, 1094..1132, 1119..1385, 1142..1384, 1147..1386, 1388..1420, 1428..1517, 1430..1519		

Seq. No.	10050	Seq. ID	OJ990310_12.9819.C83
Gene No.	21411	Strand	+
Start	1136	End	2082
Name	OJ990310_12.9819.C83.o1.gp	Method	AAT/GAP
Start	1136	End	2082
GI	5003507	Score	1311
Exons	1136..1511, 1767..2082		

Seq. No.	10051	Seq. ID	OJ990310_12.9819.C84
Gene No.	21412	Strand	+
Start	60	End	421
Name	OJ990310_12.9819.C84.o1.gp	Method	AAT/GAP
Start	60	End	421
GI	uC-osf1M202068h09b1	Score	666
Exons	60..421		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	10051	Seq. ID	OJ990310_12.9819.C84
Gene No.	21413	Strand	+
Start	603	End	1315
Name	OJ990310_12.9819.C84.o2.tm	Method	TBLASTX:Maize
Start	155	End	433
GI	none	Score	132
Exons	155..433, 164..256, 233..304, 302..430		

Seq. No.	10051	Seq. ID	OJ990310_12.9819.C84
Gene No.	21413	Strand	+
Start	603	End	1315
Name	OJ990310_12.9819.C84.o2.tc	Method	TBLASTX:Cress
Start	194	End	596
GI	none	Score	104
Exons	194..355, 377..595, 497..595, 498..596		

Seq. No.	10051	Seq. ID	OJ990310_12.9819.C84
Gene No.	21413	Strand	+
Start	603	End	1315
Name	OJ990310_12.9819.C84.o2.gp	Method	AAT/GAP
Start	603	End	1315
GI	5003506	Score	1392
Exons	603..1315		

Seq. No.	10051	Seq. ID	OJ990310_12.9819.C84
Gene No.	21414	Strand	
Start	2608	End	3612
Name	OJ990310_12.9819.C84.o1.tm	Method	TBLASTX:Maize
Start	2608	End	3612
GI	none	Score	723
Exons	2608..3603, 2669..3319, 3395..3595, 3538..3612		

Seq. No.	10051	Seq. ID	OJ990310_12.9819.C84
Gene No.	21414	Strand	
Start	2608	End	3612
Name	OJ990310_12.9819.C84.o1.ts	Method	TBLASTX:Soybean
Start	2665	End	3609
GI	none	Score	345
Exons	2665..2955, 2666..2953, 2830..2961, 2938..3099, 2956..3606, 2957..3109, 3197..3319, 3395..3598, 3532..3609		

Seq. No.	10051	Seq. ID	OJ990310_12.9819.C84
Gene No.	21414	Strand	
Start	2608	End	3612
Name	OJ990310_12.9819.C84.o1.tc	Method	TBLASTX:Cress
Start	2668	End	3519
GI	none	Score	78
Exons	2668..2967, 2683..2781, 2687..2968, 2965..3138, 2966..3109, 3232..3273, 3272..3319, 3274..3519, 3395..3493		

Seq. No.	10051	Seq. ID	OJ990310_12.9819.C84
Gene No.	21414	Strand	
Start	2608	End	3612
Name	OJ990310_12.9819.C84.o2.tw	Method	TBLASTX:Wheat
Start	2687	End	3045
GI	none	Score	168
Exons	2687..2857, 2689..2823, 2824..2868, 2825..2866, 2843..3037, 2869..3045, 2872..3045		

Seq. No.	10051	Seq. ID	OJ990310_12.9819.C84
Gene No.	21414	Strand	
Start	2608	End	3612
Name	OJ990310_12.9819.C84.o1.tw	Method	TBLASTX:Wheat
Start	3208	End	3612
GI	none	Score	143
Exons	3208..3603, 3209..3319, 3395..3595, 3526..3612		

Seq. No.	10052	Seq. ID	OJ990310_12.9819.C87
Gene No.	21415	Strand	-
Start	3989	End	4059
Name	OJ990310_12.9819.C87.o1.gp	Method	AAT/GAP
Start	3989	End	4059
GI	38012_1.R1084	Score	82
Exons	3989..4059		
GI Descrip.	'4097947/gb|U72255|OSU72255 2.0e-23 Oryza sativa beta-1,3-glucanase precursor (Gns9) gene, complete cds'		

Seq. No.	10053	Seq. ID	OJ990310_12.9819.C92
Gene No.	21416	Strand	+
Start	3025	End	3493

Name	OJ990310_12.9819.C92.o1.ts	Method	TBLASTX:Soybean
Start	1851	End	3309
GI	none	Score	126
Exons	1851..1955, 1868..1954, 2018..2080, 2034..2081, 2097..2186, 2099..2191, 2267..2317, 2269..2304, 2318..2389, 2323..2388, 2455..2583, 2483..2617, 3011..3058, 3177..3203, 3205..3309		

Seq. No.	10053	Seq. ID	OJ990310_12.9819.C92
Gene No.	21416	Strand	+
Start	3025	End	3493
Name	OJ990310_12.9819.C92.o1.tm	Method	TBLASTX:Maize
Start	1863	End	3297
GI	none	Score	126
Exons	1863..1955, 1865..1957, 1918..1974, 2034..2084, 2076..2189, 2099..2185, 2270..2302, 2303..2389, 2323..2388, 2482..2583, 2483..2617, 2993..3058, 3205..3297		

Seq. No.	10053	Seq. ID	OJ990310_12.9819.C92
Gene No.	21416	Strand	+
Start	3025	End	3493
Name	OJ990310_12.9819.C92.o1.tc	Method	TBLASTX:Cress
Start	1866	End	2506
GI	none	Score	110
Exons	1866..1955, 1868..1954, 2061..2189, 2108..2185, 2270..2302, 2311..2388, 2321..2389, 2479..2505, 2483..2506		

Seq. No.	10053	Seq. ID	OJ990310_12.9819.C92
Gene No.	21416	Strand	+
Start	3025	End	3493
Name	OJ990310_12.9819.C92.o1.gp	Method	AAT/GAP
Start	3025	End	3493
GI	53834_1.R1084	Score	467
Exons	3025..3109, 3184..3311, 3435..3493		
GI Descrip.	'4835771/gb|AAD30238.1|AC007202_20 5.0e-11 (AC007202) Similar to gi_3844599 F31D5.2 gene product from Caenorhabditis elegans cosmid gb_U28941 and contains PF_00097 Zinc (Ring) finger C3HC4 domain. ESTs gb_F19963 and gb_T42582 come from this gene. [Arabidops'		

Seq. No.	10054	Seq. ID	OJ990310_12.9819.C93
Gene No.	21417	Strand	-
Start	1538	End	1966
Name	OJ990310_12.9819.C93.o1.tm	Method	TBLASTX:Maize
Start	412	End	1598
GI	none	Score	159
Exons	412..570, 455..526, 466..552, 466..570, 468..575, 654..707, 1088..1372, 1089..1370, 1090..1371, 1096..1395, 1178..1354, 1179..1352, 1286..1372, 1542..1598, 1542..1592		

Seq. No.	10054	Seq. ID	OJ990310_12.9819.C93
Gene No.	21417	Strand	-
Start	1538	End	1966
Name	OJ990310_12.9819.C93.o1.tc	Method	TBLASTX:Cress
Start	466	End	1610
GI	none	Score	147
Exons	466..570, 466..552, 466..570, 468..572, 468..539, 1088..1369, 1089..1370, 1110..1370, 1179..1352, 1541..1603, 1542..1610		

Seq. No.	10054	Seq. ID	OJ990310_12.9819.C93
Gene No.	21417	Strand	-
Start	1538	End	1966
Name	OJ990310_12.9819.C93.o1.tw	Method	TBLASTX:Wheat
Start	466	End	1370
GI	none	Score	84
Exons	466..555, 1140..1370, 1187..1366		

Seq. No.	10054	Seq. ID	OJ990310_12.9819.C93
Gene No.	21417	Strand	-
Start	1538	End	1966
Name	OJ990310_12.9819.C93.o1.ts	Method	TBLASTX:Soybean
Start	466	End	1610
GI	none	Score	143
Exons	466..570, 466..552, 468..560, 1082..1159, 1083..1160, 1136..1366, 1140..1370, 1179..1367, 1542..1610		

Seq. No.	10054	Seq. ID	OJ990310_12.9819.C93
Gene No.	21417	Strand	-
Start	1538	End	1966
Name	OJ990310_12.9819.C93.o1.gp	Method	AAT/GAP
Start	1538	End	1966
GI	5573_1.R1084	Score	822
Exons	1538..1966		
GI Descrip.	'168525/gb|M74566|MZENBPAA 3.0e-11 Zea mays nucleic acid-binding protein (NBP)'		

Seq. No.	10055	Seq. ID	OJ990310_12.9819.C94
Gene No.	21418	Strand	-
Start	66	End	124
Name	OJ990310_12.9819.C94.o1.gp	Method	AAT/GAP
Start	66	End	124
GI	none	Score	95
Exons	66..124		

Seq. No.	10055	Seq. ID	OJ990310_12.9819.C94
Gene No.	21419	Strand	-
Start	634	End	916
Name	OJ990310_12.9819.C94.o2.gp	Method	AAT/GAP
Start	634	End	916
GI	uC-osrocyp017e04a1	Score	463
Exons	634..916		
GI Descrip.	'2586089/gb|U72728|OLRDRGF1 2.0e-11 Oryza longistaminata receptor-like kinase protein (Xa21), family member F, pseudogene sequence'		

Seq. No.	10056	Seq. ID	OJ990310_12.9819.C101
Gene No.	21420	Strand	
Start	459	End	643
Name	OJ990310_12.9819.C101.o1.tc	Method	TBLASTX:Cress
Start	459	End	643
GI	none	Score	242
Exons	459..641, 468..641, 470..643, 470..643		

Seq. No.	10057	Seq. ID	OJ990310_12.9819.C104
Gene No.	21421	Strand	

Start	99	End	301
Name	OJ990310_12.9819.C104.o1.tw	Method	TBLASTX:Wheat
Start	99	End	301
GI	none	Score	106
Exons	99..221, 101..244, 218..301, 219..299		

Seq. No.	10058	Seq. ID	OJ990310_12.9819.C105
Gene No.	21422	Strand	-
Start	186	End	468
Name	OJ990310_12.9819.C105.o1.gp	Method	AAT/GAP
Start	186	End	468
GI	uC-osrocyp017e04a1	Score	463
Exons	186..468		
GI Descrip.	'2586089/gb|U72728|OLRDRGF1 2.0e-11 Oryza longistaminata receptor-like kinase protein (Xa21), family member F, pseudogene sequence'		

Seq. No.	10059	Seq. ID	OJ990310_12.9819.C110
Gene No.	21423	Strand	+
Start	240	End	583
Name	OJ990310_12.9819.C110.o1.gp	Method	AAT/GAP
Start	240	End	583
GI	none	Score	651
Exons	240..583		

Seq. No.	10060	Seq. ID	OJ990310_12.9819.C111
Gene No.	21424	Strand	+
Start	1645	End	1709
Name	OJ990310_12.9819.C111.o1.gp	Method	AAT/GAP
Start	1645	End	1709
GI	16490_1.R1084	Score	84
Exons	1645..1709		
GI Descrip.	'4584525/emb|CAB40756.1| 7.0e-38 (AL049607) protein phosphatase 2C-like protein [Arabidopsis thaliana]'		

Seq. No.	10061	Seq. ID	OJ990310_12.9819.C123
Gene No.	21425	Strand	-
Start	1	End	999
Name	OJ990310_12.9819.C123.o1.gp	Method	AAT/GAP
Start	1	End	998
GI	342_1.R1084	Score	1737
Exons	1..998		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	10061	Seq. ID	OJ990310_12.9819.C123
Gene No.	21425	Strand	-
Start	1	End	999
Name	OJ990310_12.9819.C123.o1.tw	Method	TBLASTX:Wheat
Start	30	End	988
GI	none	Score	131
Exons	30..110, 38..178, 39..179, 126..221, 158..217, 224..268, 229..264, 263..331, 279..332, 294..359, 305..694, 306..593, 327..980, 334..972, 713..988		

Seq. No.	10061	Seq. ID	OJ990310_12.9819.C123
Gene No.	21425	Strand	-

Start	1	End	999
Name	OJ990310_12.9819.C123.o1.tc	Method	TBLASTX:Cress
Start	444	End	895
GI	none	Score	188
Exons	444..881, 444..887, 448..891,	454..891,	713..895

Seq. No.	10061	Seq. ID	OJ990310_12.9819.C123
Gene No.	21425	Strand	-
Start	1	End	999
Name	OJ990310_12.9819.C123.o1.tm	Method	TBLASTX:Maize
Start	822	End	999
GI	none	Score	88
Exons	822..998, 850..999		

Seq. No.	10062	Seq. ID	OJ990310_12.9819.C125
Gene No.	21426	Strand	
Start	206	End	392
Name	OJ990310_12.9819.C125.o1.tw	Method	TBLASTX:Wheat
Start	206	End	392
GI	none	Score	114
Exons	206..391, 207..392		

Seq. No.	10063	Seq. ID	OJ990310_12.9819.C133
Gene No.	21427	Strand	-
Start	1	End	654
Name	OJ990310_12.9819.C133.o1.gp	Method	AAT/GAP
Start	1	End	436
GI	65544_1.R1084	Score	400
Exons	1..255, 385..436		
GI Descrip.	'1709203/sp|P54926|MYO1_LYCES 4.0e-59 MYO-INOSITOL-1(OR 4)-MONOPHOSPHATASE 1 (IMP 1) (INOSITOL MONOPHOSPHATASE 1) >gi_1098977 (U39444) myo-inositol monophosphatase 1 [Lycopersicon esculentum]'		

Seq. No.	10063	Seq. ID	OJ990310_12.9819.C133
Gene No.	21427	Strand	-
Start	1	End	654
Name	OJ990310_12.9819.C133.o2.gp	Method	AAT/GAP
Start	37	End	654
GI	65544_1.R1084	Score	543
Exons	37..255, 385..435, 551..654		
GI Descrip.	'1709203/sp|P54926|MYO1_LYCES 4.0e-59 MYO-INOSITOL-1(OR 4)-MONOPHOSPHATASE 1 (IMP 1) (INOSITOL MONOPHOSPHATASE 1) >gi_1098977 (U39444) myo-inositol monophosphatase 1 [Lycopersicon esculentum]'		

Seq. No.	10063	Seq. ID	OJ990310_12.9819.C133
Gene No.	21427	Strand	-
Start	1	End	654
Name	OJ990310_12.9819.C133.o1.tc	Method	TBLASTX:Cress
Start	43	End	439
GI	none	Score	69
Exons	43..111, 44..109, 160..258,	167..256,	362..439, 364..438

Seq. No.	10063	Seq. ID	OJ990310_12.9819.C133
Gene No.	21427	Strand	-
Start	1	End	654

Name	OJ990310_12.9819.C133.o1.ts	Method	TBLASTX:Soybean
Start	43	End	438
GI	none	Score	81
Exons	43..111, 44..112, 160..258, 167..259, 362..436, 364..438		

Seq. No.	10063	Seq. ID	OJ990310_12.9819.C133
Gene No.	21427	Strand	-
Start	1	End	654
Name	OJ990310_12.9819.C133.o1.tm	Method	TBLASTX:Maize
Start	43	End	633
GI	none	Score	231
Exons	43..258, 47..256, 223..264, 362..436, 364..438, 384..446, 552..617, 565..633		

Seq. No.	10064	Seq. ID	OJ990310_12.9819.C134
Gene No.	21428	Strand	+
Start	61	End	596
Name	OJ990310_12.9819.C134.o1.gp	Method	AAT/GAP
Start	61	End	586
GI	73416_1.R1084	Score	545
Exons	61..202, 310..402, 518..586		
GI Descrip.	'3548803 1.0e-38 (AC005313) putative DNA-binding protein [Arabidopsis thaliana] >gi_4335770_gb_AAD17447_ (AC006284) putative SMUBP-2 [mouse] DNA-binding protein [Arabidopsis thaliana]'		

Seq. No.	10064	Seq. ID	OJ990310_12.9819.C134
Gene No.	21428	Strand	+
Start	61	End	596
Name	OJ990310_12.9819.C134.o1.tm	Method	TBLASTX:Maize
Start	145	End	596
GI	none	Score	76
Exons	145..228, 146..202, 151..204, 309..401, 336..401, 346..414, 352..411, 508..552, 515..586, 518..586, 552..596		

Seq. No.	10065	Seq. ID	OJ990310_12.9819.C135
Gene No.	21429	Strand	
Start	25	End	200
Name	OJ990310_12.9819.C135.o1.tc	Method	TBLASTX:Cress
Start	25	End	200
GI	none	Score	210
Exons	25..171, 36..200		

Seq. No.	10065	Seq. ID	OJ990310_12.9819.C135
Gene No.	21429	Strand	
Start	25	End	200
Name	OJ990310_12.9819.C135.o1.ts	Method	TBLASTX:Soybean
Start	25	End	183
GI	none	Score	226
Exons	25..171, 27..182, 33..182, 70..183		

Seq. No.	10065	Seq. ID	OJ990310_12.9819.C135
Gene No.	21429	Strand	
Start	25	End	200
Name	OJ990310_12.9819.C135.o1.tm	Method	TBLASTX:Maize
Start	25	End	188
GI	none	Score	209

Exons	25..168, 27..188		
Seq. No.	10065	Seq. ID	OJ990310_12.9819.C135
Gene No.	21429	Strand	
Start	25	End	200
Name	OJ990310_12.9819.C135.o1.tw	Method	TBLASTX:Wheat
Start	30	End	167
GI	none	Score	179
Exons	30..167, 40..165		
Seq. No.	10066	Seq. ID	OJ990330_19.9819.C1
Gene No.	21430	Strand	-
Start	223	End	634
Name	OJ990330_19.9819.C1.o1.gs	Method	GENSCAN
Start	223	End	634
GI	none	Score	.5
Exons	223..405, 577..634		
Seq. No.	10067	Seq. ID	OJ990330_19.9819.C2
Gene No.	21431	Strand	+
Start	548	End	709
Name	OJ990330_19.9819.C2.o1.gs	Method	GENSCAN
Start	548	End	709
GI	none	Score	.4
Exons	548..709		
Seq. No.	10068	Seq. ID	OJ990330_19.9819.C3
Gene No.	21432	Strand	+
Start	694	End	10243
Name	OJ990330_19.9819.C3.o1.gs	Method	GENSCAN
Start	694	End	10243
GI	none	Score	.55
Exons	694..696, 868..1218, 1515..1572, 2164..2279, 2944..2987, 3282..3339, 3511..3693, 3990..4105, 4357..4400, 4639..4754, 5051..5108, 5405..5462, 5714..5816, 6113..6170, 6407..6522, 6819..6876, 7115..7230, 7527..7643, 7756..7938, 8110..8292, 8696..8764, 8944..9060, 9173..9355, 9651..9708, 9714..9826, 10006..10063, 10158..10243		
Seq. No.	10068	Seq. ID	OJ990330_19.9819.C3
Gene No.	21433	Strand	+
Start	10850	End	12751
Name	OJ990330_19.9819.C3.o2.gp	Method	AAT/GAP
Start	10673	End	11053
GI	uC-osflcyp033a04b1	Score	686
Exons	10673..11053		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	10068	Seq. ID	OJ990330_19.9819.C3
Gene No.	21433	Strand	+
Start	10850	End	12751
Name	OJ990330_19.9819.C3.o2.gs	Method	GENSCAN
Start	10850	End	12751
GI	none	Score	.84
Exons	10850..10921, 11942..12751		

Seq. No.	10068	Seq. ID	OJ990330_19.9819.C3
Gene No.	21434	Strand	+
Start	13000	End	17520
Name	OJ990330_19.9819.C3.o2.np	Method	AAT/NAP
Start	13000	End	17520
GI	4680179	Score	5340
Exons	13000..14085, 14119..17520		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	10068	Seq. ID	OJ990330_19.9819.C3
Gene No.	21435	Strand	-
Start	10606	End	11700
Name	OJ990330_19.9819.C3.o1.np	Method	AAT/NAP
Start	10606	End	11700
GI	4680186	Score	371
Exons	10606..10806, 11645..11700		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	10068	Seq. ID	OJ990330_19.9819.C3
Gene No.	21436	Strand	-
Start	15641	End	20935
Name	OJ990330_19.9819.C3.o7.tw	Method	TBLASTX:Wheat
Start	13236	End	13596
GI	none	Score	293
Exons	13236..13595, 13237..13596		

Seq. No.	10068	Seq. ID	OJ990330_19.9819.C3
Gene No.	21436	Strand	-
Start	15641	End	20935
Name	OJ990330_19.9819.C3.o6.tm	Method	TBLASTX:Maize
Start	13477	End	13782
GI	none	Score	231
Exons	13477..13782, 13491..13607		

Seq. No.	10068	Seq. ID	OJ990330_19.9819.C3
Gene No.	21436	Strand	-
Start	15641	End	20935
Name	OJ990330_19.9819.C3.o7.tm	Method	TBLASTX:Maize
Start	14110	End	14463
GI	none	Score	184
Exons	14110..14463		

Seq. No.	10068	Seq. ID	OJ990330_19.9819.C3
Gene No.	21436	Strand	-
Start	15641	End	20935
Name	OJ990330_19.9819.C3.o8.tw	Method	TBLASTX:Wheat
Start	14146	End	14583
GI	none	Score	163
Exons	14146..14355, 14202..14354, 14400..14513, 14401..14514, 14542..14583		

Seq. No.	10068	Seq. ID	OJ990330_19.9819.C3
Gene No.	21436	Strand	-
Start	15641	End	20935
Name	OJ990330_19.9819.C3.o4.tw	Method	TBLASTX:Wheat
Start	14679	End	15165
GI	none	Score	52

Exons	14679..15122, 14683..14733, 14788..15165		
Seq. No.	10068	Seq. ID	OJ990330_19.9819.C3
Gene No.	21436	Strand	-
Start	15641	End	20935
Name	OJ990330_19.9819.C3.o5.tm	Method	TBLASTX:Maize
Start	14694	End	14984
GI	none	Score	264
Exons	14694..14984, 14695..14982		
Seq. No.	10068	Seq. ID	OJ990330_19.9819.C3
Gene No.	21436	Strand	-
Start	15641	End	20935
Name	OJ990330_19.9819.C3.o3.tm	Method	TBLASTX:Maize
Start	15052	End	15552
GI	none	Score	160
Exons	15052..15231, 15060..15179, 15238..15552, 15303..15422, 15459..15509		
Seq. No.	10068	Seq. ID	OJ990330_19.9819.C3
Gene No.	21436	Strand	-
Start	15641	End	20935
Name	OJ990330_19.9819.C3.o1.ts	Method	TBLASTX:Soybean
Start	15106	End	15501
GI	none	Score	57
Exons	15106..15138, 15108..15137, 15142..15501, 15144..15179, 15210..15500		
Seq. No.	10068	Seq. ID	OJ990330_19.9819.C3
Gene No.	21436	Strand	-
Start	15641	End	20935
Name	OJ990330_19.9819.C3.o5.tw	Method	TBLASTX:Wheat
Start	15214	End	15516
GI	none	Score	379
Exons	15214..15516, 15216..15500		
Seq. No.	10068	Seq. ID	OJ990330_19.9819.C3
Gene No.	21436	Strand	-
Start	15641	End	20935
Name	OJ990330_19.9819.C3.o3.tw	Method	TBLASTX:Wheat
Start	15517	End	15939
GI	none	Score	587
Exons	15517..15939, 15549..15938		
Seq. No.	10068	Seq. ID	OJ990330_19.9819.C3
Gene No.	21436	Strand	-
Start	15641	End	20935
Name	OJ990330_19.9819.C3.o3.ts	Method	TBLASTX:Soybean
Start	15523	End	15768
GI	none	Score	197
Exons	15523..15768, 15540..15767		
Seq. No.	10068	Seq. ID	OJ990330_19.9819.C3
Gene No.	21436	Strand	-
Start	15641	End	20935
Name	OJ990330_19.9819.C3.o2.tm	Method	TBLASTX:Maize
Start	15588	End	15951

GI	none	Score	471
Exons	15588..15938, 15589..15942, 15589..15951		

Seq. No.	10068	Seq. ID	OJ990330_19.9819.C3
Gene No.	21436	Strand	-
Start	15641	End	20935
Name	OJ990330_19.9819.C3.o3.np	Method	AAT/NAP
Start	15641	End	20935
GI	5852180	Score	452
Exons	15641..15671, 18221..18679, 18731..18851, 20895..20935		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	10068	Seq. ID	OJ990330_19.9819.C3
Gene No.	21436	Strand	-
Start	15641	End	20935
Name	OJ990330_19.9819.C3.o2.tw	Method	TBLASTX:Wheat
Start	15942	End	16509
GI	none	Score	635
Exons	15942..16508, 15976..16509		

Seq. No.	10068	Seq. ID	OJ990330_19.9819.C3
Gene No.	21436	Strand	-
Start	15641	End	20935
Name	OJ990330_19.9819.C3.o2.ts	Method	TBLASTX:Soybean
Start	16297	End	16557
GI	none	Score	285
Exons	16297..16557, 16302..16556		

Seq. No.	10068	Seq. ID	OJ990330_19.9819.C3
Gene No.	21436	Strand	-
Start	15641	End	20935
Name	OJ990330_19.9819.C3.o4.tm	Method	TBLASTX:Maize
Start	16355	End	16647
GI	none	Score	78
Exons	16355..16516, 16356..16643, 16357..16647		

Seq. No.	10068	Seq. ID	OJ990330_19.9819.C3
Gene No.	21436	Strand	-
Start	15641	End	20935
Name	OJ990330_19.9819.C3.o1.tw	Method	TBLASTX:Wheat
Start	16516	End	17142
GI	none	Score	704
Exons	16516..17142, 16572..17030, 16888..17139		

Seq. No.	10068	Seq. ID	OJ990330_19.9819.C3
Gene No.	21436	Strand	-
Start	15641	End	20935
Name	OJ990330_19.9819.C3.o1.tm	Method	TBLASTX:Maize
Start	16696	End	17295
GI	none	Score	231
Exons	16696..16857, 16704..16850, 16855..17295, 16857..17279		

Seq. No.	10068	Seq. ID	OJ990330_19.9819.C3
Gene No.	21436	Strand	-
Start	15641	End	20935
Name	OJ990330_19.9819.C3.o6.tw	Method	TBLASTX:Wheat
Start	17142	End	17475

GI	none	Score	317
Exons	17142..17411, 17143..17475		

Seq. No.	10068	Seq. ID	OJ990330_19.9819.C3
Gene No.	21436	Strand	-
Start	15641	End	20935
Name	OJ990330_19.9819.C3.o4.np	Method	AAT/NAP
Start	18382	End	19439
GI	5042448	Score	402
Exons	18382..18756, 18968..19439		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	10068	Seq. ID	OJ990330_19.9819.C3
Gene No.	21436	Strand	-
Start	15641	End	20935
Name	OJ990330_19.9819.C3.o5.np	Method	AAT/NAP
Start	18587	End	20648
GI	6721561	Score	115
Exons	18587..18662, 20543..20648		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	10068	Seq. ID	OJ990330_19.9819.C3
Gene No.	21436	Strand	-
Start	15641	End	20935
Name	OJ990330_19.9819.C3.o4.gs	Method	GENSCAN
Start	19155	End	19505
GI	none	Score	.52
Exons	19155..19505		

Seq. No.	10069	Seq. ID	OJ990330_19.9819.C4
Gene No.	21437	Strand	-
Start	165	End	969
Name	OJ990330_19.9819.C4.o1.gs	Method	GENSCAN
Start	165	End	969
GI	none	Score	.48
Exons	165..370, 873..969		

Seq. No.	10070	Seq. ID	OJ990330_19.9819.C5
Gene No.	21438	Strand	-
Start	332	End	428
Name	OJ990330_19.9819.C5.o1.gs	Method	GENSCAN
Start	332	End	428
GI	none	Score	.52
Exons	332..428		

Seq. No.	10071	Seq. ID	OJ990330_19.9819.C7
Gene No.	21439	Strand	-
Start	1	End	759
Name	OJ990330_19.9819.C7.o1.np	Method	AAT/NAP
Start	1	End	759
GI	2498930	Score	1206
Exons	1..759		

GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		
Seq. No.	10071	Seq. ID	OJ990330_19.9819.C7
Gene No.	21439	Strand	-
Start	1	End	759
Name	OJ990330_19.9819.C7.o1.gs	Method	GENSCAN
Start	15	End	707
GI	none	Score	.87
Exons	15..707		
Seq. No.	10072	Seq. ID	OJ990330_19.9819.C8
Gene No.	21440	Strand	-
Start	177	End	236
Name	OJ990330_19.9819.C8.o1.np	Method	AAT/NAP
Start	177	End	236
GI	2498930	Score	48
Exons	177..236		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		
Seq. No.	10072	Seq. ID	OJ990330_19.9819.C8
Gene No.	21441	Strand	-
Start	177	End	236
Name	OJ990330_19.9819.C8.o1.gs	Method	GENSCAN
Start	177	End	236
GI	none	Score	.94
Exons	177..236		
Seq. No.	10073	Seq. ID	OJ990330_19.9819.C9
Gene No.	21442	Strand	+
Start	1	End	10701
Name	OJ990330_19.9819.C9.o1.np	Method	AAT/NAP
Start	1	End	2599
GI	4586056	Score	238
Exons	1..26, 180..681, 1238..1352, 2570..2599		
GI Descrip.	(AC007020) unknown protein [Arabidopsis thaliana]		
Seq. No.	10073	Seq. ID	OJ990330_19.9819.C9
Gene No.	21442	Strand	+
Start	1	End	10701
Name	OJ990330_19.9819.C9.o1.gs	Method	GENSCAN
Start	1932	End	10701
GI	none	Score	.53
Exons	1932..2009, 3260..3320, 3543..3837, 7759..7940, 8852..8909, 9220..9263, 9502..9617, 9926..9969, 9997..10101, 10207..10323, 10611..10701		
Seq. No.	10073	Seq. ID	OJ990330_19.9819.C9
Gene No.	21443	Strand	+
Start	14895	End	14958
Name	OJ990330_19.9819.C9.o4.gp	Method	AAT/GAP
Start	14895	End	14958
GI	uC-osflcyp158c04a1	Score	87
Exons	14895..14958		
GI Descrip.	'4581164/gb|AAD24647.1|AC006220_3 2.0e-17 (AC006220) putative polyprotein [Arabidopsis thaliana]'		

Seq. No.	10073	Seq. ID	OJ990330_19.9819.C9
Gene No.	21444	Strand	-
Start	1969	End	4386
Name	OJ990330_19.9819.C9.o2.np	Method	AAT/NAP
Start	1969	End	4386
GI	4586056	Score	193
Exons	1969..1996, 3885..4386		
GI Descrip.	(AC007020) unknown protein [Arabidopsis thaliana]		

Seq. No.	10073	Seq. ID	OJ990330_19.9819.C9
Gene No.	21445	Strand	-
Start	6031	End	8664
Name	OJ990330_19.9819.C9.o1.ts	Method	TBLASTX:Soybean
Start	218	End	4350
GI	none	Score	53
Exons	218..259, 221..253, 326..361, 357..527, 360..494, 361..525, 489..680, 490..681, 1238..1300, 1240..1320, 3887..4078, 3888..4079, 4041..4211, 4074..4208, 4207..4242, 4309..4350, 4315..4347		

Seq. No.	10073	Seq. ID	OJ990330_19.9819.C9
Gene No.	21445	Strand	-
Start	6031	End	8664
Name	OJ990330_19.9819.C9.o2.gp	Method	AAT/GAP
Start	6031	End	8445
GI	none	Score	1405
Exons	6031..6346, 7358..7453, 7821..7979, 8054..8163, 8311..8445		

Seq. No.	10073	Seq. ID	OJ990330_19.9819.C9
Gene No.	21445	Strand	-
Start	6031	End	8664
Name	OJ990330_19.9819.C9.o4.np	Method	AAT/NAP
Start	6892	End	8458
GI	1872521	Score	84
Exons	6892..7019, 8326..8458		
GI Descrip.	(U87833) zinc-finger protein Lsd1 [Arabidopsis thaliana] gi|1872523 (U87834) zinc-finger protein Lsd1 [Arabidopsis thaliana] gi|5262161|emb|CAB45804.1| (AL080253) zinc-finger protein Lsd1 [Arabidopsis thaliana]		

Seq. No.	10073	Seq. ID	OJ990330_19.9819.C9
Gene No.	21445	Strand	-
Start	6031	End	8664
Name	OJ990330_19.9819.C9.o3.np	Method	AAT/NAP
Start	7799	End	8664
GI	2245059	Score	80
Exons	7799..7979, 8543..8664		
GI Descrip.	(Z97342) transcription factor like protein [Arabidopsis thaliana]		

Seq. No.	10074	Seq. ID	OJ990330_19.9819.C11
Gene No.	21446	Strand	-
Start	93	End	318
Name	OJ990330_19.9819.C11.o1.np	Method	AAT/NAP
Start	93	End	318
GI	4732116	Score	86

Exons	93..318		
GI Descrip.	(AF129072) beta-galactosidase [Cloning vector pWD42-09]		
Seq. No.	10075	Seq. ID	OJ990330_19.9819.C12
Gene No.	21447	Strand	+
Start	176	End	268
Name	OJ990330_19.9819.C12.o1.gs	Method	GENSCAN
Start	176	End	268
GI	none	Score	.97
Exons	176..268		
Seq. No.	10076	Seq. ID	OJ990330_19.9819.C13
Gene No.	21448	Strand	-
Start	174	End	1270
Name	OJ990330_19.9819.C13.o1.gs	Method	GENSCAN
Start	174	End	1270
GI	none	Score	.51
Exons	174..358, 507..564, 861..1007, 1013..1044, 1213..1270		
Seq. No.	10077	Seq. ID	OJ990330_19.9819.C14
Gene No.	21449	Strand	+
Start	1	End	710
Name	OJ990330_19.9819.C14.o1.np	Method	AAT/NAP
Start	1	End	710
GI	5257279	Score	120
Exons	1..65, 535..710		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		
Seq. No.	10077	Seq. ID	OJ990330_19.9819.C14
Gene No.	21450	Strand	-
Start	340	End	573
Name	OJ990330_19.9819.C14.o1.gs	Method	GENSCAN
Start	340	End	573
GI	none	Score	.48
Exons	340..573		
Seq. No.	10078	Seq. ID	OJ990330_19.9819.C15
Gene No.	21451	Strand	-
Start	658	End	819
Name	OJ990330_19.9819.C15.o1.gs	Method	GENSCAN
Start	658	End	819
GI	none	Score	.68
Exons	658..819		
Seq. No.	10079	Seq. ID	OJ990330_19.9819.C16
Gene No.	21452	Strand	+
Start	44	End	238
Name	OJ990330_19.9819.C16.o1.gs	Method	GENSCAN
Start	44	End	238
GI	none	Score	.53
Exons	44..88, 181..238		
Seq. No.	10080	Seq. ID	OJ990330_19.9819.C20
Gene No.	21453	Strand	-
Start	385	End	781
Name	OJ990330_19.9819.C20.o1.gs	Method	GENSCAN

Start	385	End	781
GI	none	Score	.68
Exons	385..442, 536..567, 738..781		

Seq. No.	10081	Seq. ID	OJ990330_19.9819.C21
Gene No.	21454	Strand	+
Start	281	End	1068
Name	OJ990330_19.9819.C21.o1.gs	Method	GENSCAN
Start	281	End	1068
GI	none	Score	.52
Exons	281..360, 1011..1068		

Seq. No.	10082	Seq. ID	OJ990330_19.9819.C22
Gene No.	21455	Strand	+
Start	56	End	1545
Name	OJ990330_19.9819.C22.o1.gs	Method	GENSCAN
Start	56	End	1545
GI	none	Score	.71
Exons	56..58, 352..409, 645..760, 932..1114, 1353..1467, 1532..1545		

Seq. No.	10083	Seq. ID	OJ990330_19.9819.C23
Gene No.	21456	Strand	+
Start	44	End	793
Name	OJ990330_19.9819.C23.o1.gs	Method	GENSCAN
Start	44	End	793
GI	none	Score	.44
Exons	44..87, 325..440, 679..793		

Seq. No.	10084	Seq. ID	OJ990330_19.9819.C24
Gene No.	21457	Strand	-
Start	264	End	598
Name	OJ990330_19.9819.C24.o1.gs	Method	GENSCAN
Start	264	End	598
GI	none	Score	.45
Exons	264..329, 384..496, 502..598		

Seq. No.	10085	Seq. ID	OJ990330_19.9819.C25
Gene No.	21458	Strand	+
Start	353	End	449
Name	OJ990330_19.9819.C25.o1.gs	Method	GENSCAN
Start	353	End	449
GI	none	Score	.51
Exons	353..449		

Seq. No.	10086	Seq. ID	OJ990330_19.9819.C28
Gene No.	21459	Strand	+
Start	1	End	6562
Name	OJ990330_19.9819.C28.o2.np	Method	AAT/NAP
Start	1	End	5695
GI	4680183	Score	212
Exons	1..30, 4926..4996, 5606..5695		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	10086	Seq. ID	OJ990330_19.9819.C28
Gene No.	21459	Strand	+
Start	1	End	6562
Name	OJ990330_19.9819.C28.o1.np	Method	AAT/NAP

Start	2793	End	6562
GI	5852180	Score	449
Exons	2793..2848, 3780..4330, 6537..6562		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	10086	Seq. ID	OJ990330_19.9819.C28
Gene No.	21459	Strand	+
Start	1	End	6562
Name	OJ990330_19.9819.C28.o3.np	Method	AAT/NAP
Start	6388	End	6562
GI	6721560	Score	112
Exons	6388..6562		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815085|dbj|BAA90371.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	10087	Seq. ID	OJ990330_19.9819.C29
Gene No.	21460	Strand	+
Start	8	End	957
Name	OJ990330_19.9819.C29.o1.gs	Method	GENSCAN
Start	8	End	957
GI	none	Score	.58
Exons	8..241, 286..601, 694..766, 867..957		

Seq. No.	10087	Seq. ID	OJ990330_19.9819.C29
Gene No.	21461	Strand	+
Start	10622	End	11003
Name	OJ990330_19.9819.C29.o1.gp	Method	AAT/GAP
Start	10622	End	11003
GI	uC-osflcyp033a04b1	Score	643
Exons	10622..11003		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	10087	Seq. ID	OJ990330_19.9819.C29
Gene No.	21462	Strand	-
Start	3713	End	16881
Name	OJ990330_19.9819.C29.o1.np	Method	AAT/NAP
Start	3713	End	15869
GI	5922631	Score	6653
Exons	3713..6229, 6836..7761, 7888..7910, 12419..12547, 12590..12872, 14441..14735, 14781..14950, 15218..15486, 15745..15869		
GI Descrip.	(AP000492) ESTs C26347(C12145);AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	10087	Seq. ID	OJ990330_19.9819.C29
Gene No.	21462	Strand	-
Start	3713	End	16881
Name	OJ990330_19.9819.C29.o3.gs	Method	GENSCAN
Start	14424	End	16881
GI	none	Score	.49
Exons	14424..14856, 15033..15251, 15253..15480, 15745..15825,		

16409..16643, 16746..16881

Seq. No.	10087	Seq. ID	OJ990330_19.9819.C29
Gene No.	21462	Strand	-
Start	3713	End	16881
Name	OJ990330_19.9819.C29.o2.np	Method	AAT/NAP
Start	15181	End	15869
GI	5902444	Score	730
Exons	15181..15869		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	10087	Seq. ID	OJ990330_19.9819.C29
Gene No.	21463	Strand	-
Start	18498	End	30963
Name	OJ990330_19.9819.C29.o5.tw	Method	TBLASTX:Wheat
Start	3689	End	4303
GI	none	Score	82
Exons	3689..3826, 3812..3976, 4025..4303, 4041..4142, 4197..4283		

Seq. No.	10087	Seq. ID	OJ990330_19.9819.C29
Gene No.	21463	Strand	-
Start	18498	End	30963
Name	OJ990330_19.9819.C29.o4.tm	Method	TBLASTX:Maize
Start	3728	End	3979
GI	none	Score	82
Exons	3728..3829, 3756..3830, 3809..3979, 3810..3929		

Seq. No.	10087	Seq. ID	OJ990330_19.9819.C29
Gene No.	21463	Strand	-
Start	18498	End	30963
Name	OJ990330_19.9819.C29.o6.tm	Method	TBLASTX:Maize
Start	4073	End	4346
GI	none	Score	45
Exons	4073..4159, 4169..4252, 4182..4256, 4247..4345, 4248..4346		

Seq. No.	10087	Seq. ID	OJ990330_19.9819.C29
Gene No.	21463	Strand	-
Start	18498	End	30963
Name	OJ990330_19.9819.C29.o3.tw	Method	TBLASTX:Wheat
Start	4418	End	4807
GI	none	Score	44
Exons	4418..4804, 4419..4463, 4427..4603, 4494..4805, 4640..4807		

Seq. No.	10087	Seq. ID	OJ990330_19.9819.C29
Gene No.	21463	Strand	-
Start	18498	End	30963
Name	OJ990330_19.9819.C29.o1.tm	Method	TBLASTX:Maize
Start	4448	End	4804
GI	none	Score	245
Exons	4448..4495, 4484..4804, 4485..4790		

Seq. No.	10087	Seq. ID	OJ990330_19.9819.C29
Gene No.	21463	Strand	-
Start	18498	End	30963
Name	OJ990330_19.9819.C29.o4.tw	Method	TBLASTX:Wheat
Start	5135	End	5545
GI	none	Score	212

Exons	5135..5545, 5199..5543		
Seq. No.	10087	Seq. ID	OJ990330_19.9819.C29
Gene No.	21463	Strand	-
Start	18498	End	30963
Name	OJ990330_19.9819.C29.o2.ts	Method	TBLASTX:Soybean
Start	5166	End	5554
GI	none	Score	105
Exons	5166..5405, 5168..5410, 5450..5554, 5460..5546		
Seq. No.	10087	Seq. ID	OJ990330_19.9819.C29
Gene No.	21463	Strand	-
Start	18498	End	30963
Name	OJ990330_19.9819.C29.o5.tm	Method	TBLASTX:Maize
Start	5219	End	5491
GI	none	Score	142
Exons	5219..5317, 5318..5491		
Seq. No.	10087	Seq. ID	OJ990330_19.9819.C29
Gene No.	21463	Strand	-
Start	18498	End	30963
Name	OJ990330_19.9819.C29.o2.tw	Method	TBLASTX:Wheat
Start	5582	End	6011
GI	none	Score	96
Exons	5582..6010, 5826..6011		
Seq. No.	10087	Seq. ID	OJ990330_19.9819.C29
Gene No.	21463	Strand	-
Start	18498	End	30963
Name	OJ990330_19.9819.C29.o3.tm	Method	TBLASTX:Maize
Start	5669	End	6101
GI	none	Score	62
Exons	5669..5695, 5693..5836, 5708..5839, 5858..6082, 5859..6083, 6078..6101		
Seq. No.	10087	Seq. ID	OJ990330_19.9819.C29
Gene No.	21463	Strand	-
Start	18498	End	30963
Name	OJ990330_19.9819.C29.o1.ts	Method	TBLASTX:Soybean
Start	5780	End	6170
GI	none	Score	50
Exons	5780..6079, 5814..5984, 6081..6170, 6091..6153		
Seq. No.	10087	Seq. ID	OJ990330_19.9819.C29
Gene No.	21463	Strand	-
Start	18498	End	30963
Name	OJ990330_19.9819.C29.o6.tw	Method	TBLASTX:Wheat
Start	6081	End	6363
GI	none	Score	140
Exons	6081..6362, 6088..6363		
Seq. No.	10087	Seq. ID	OJ990330_19.9819.C29
Gene No.	21463	Strand	-
Start	18498	End	30963
Name	OJ990330_19.9819.C29.o7.tm	Method	TBLASTX:Maize
Start	6102	End	6329
GI	none	Score	188

Exons	6102..6329		
Seq. No.	10087	Seq. ID	OJ990330_19.9819.C29
Gene No.	21463	Strand	-
Start	18498	End	30963
Name	OJ990330_19.9819.C29.o2.tm	Method	TBLASTX:Maize
Start	6333	End	6689
GI	none	Score	183
Exons	6333..6689, 6343..6648		
Seq. No.	10087	Seq. ID	OJ990330_19.9819.C29
Gene No.	21463	Strand	-
Start	18498	End	30963
Name	OJ990330_19.9819.C29.o1.tw	Method	TBLASTX:Wheat
Start	6363	End	6819
GI	none	Score	259
Exons	6363..6818, 6364..6819		
Seq. No.	10087	Seq. ID	OJ990330_19.9819.C29
Gene No.	21463	Strand	-
Start	18498	End	30963
Name	OJ990330_19.9819.C29.o7.tw	Method	TBLASTX:Wheat
Start	7062	End	16815
GI	none	Score	102
Exons	7062..7226, 7078..7224, 7200..7319, 7220..7462, 16408..16614, 16415..16594, 16609..16815		
Seq. No.	10087	Seq. ID	OJ990330_19.9819.C29
Gene No.	21463	Strand	-
Start	18498	End	30963
Name	OJ990330_19.9819.C29.o8.tw	Method	TBLASTX:Wheat
Start	12451	End	12813
GI	none	Score	38
Exons	12451..12813, 12545..12628, 12680..12799		
Seq. No.	10087	Seq. ID	OJ990330_19.9819.C29
Gene No.	21463	Strand	-
Start	18498	End	30963
Name	OJ990330_19.9819.C29.o4.gs	Method	GENSCAN
Start	18498	End	23432
GI	none	Score	.74
Exons	18498..19328, 20190..20713, 21028..21298, 21437..21497, 23347..23432		
Seq. No.	10087	Seq. ID	OJ990330_19.9819.C29
Gene No.	21463	Strand	-
Start	18498	End	30963
Name	OJ990330_19.9819.C29.o3.np	Method	AAT/NAP
Start	18721	End	30963
GI	5091513	Score	1743
Exons	18721..19347, 20100..20564, 23168..23314, 23370..23523, 24573..25117, 25869..26051, 27815..27963, 30364..30585, 30920..30963		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		
Seq. No.	10087	Seq. ID	OJ990330_19.9819.C29
Gene No.	21463	Strand	-

Start	18498	End	30963
Name	OJ990330_19.9819.C29.o5.gs	Method	GENSCAN
Start	23890	End	30464
GI	none	Score	.44
Exons	23890..24510, 24598..24769, 24792..25172, 26683..26743, 27121..27439, 27533..27621, 29929..30044, 30139..30464		

Seq. No.	10088	Seq. ID	OJ990330_19.9819.C30
Gene No.	21464	Strand	+
Start	5584	End	18751
Name	OJ990330_19.9819.C30.o2.gs	Method	GENSCAN
Start	5584	End	18751
GI	none	Score	.4
Exons	5584..5876, 5894..6031, 6086..6131, 6819..7661, 7707..7874, 8945..9062, 10293..10497, 11319..11376, 11693..11938, 12268..12332, 12568..12661, 12797..12937, 13489..13634, 13782..14440, 14552..14665, 14736..14831, 15812..16000, 16088..16300, 16308..16547, 16750..17164, 17695..18751		

Seq. No.	10088	Seq. ID	OJ990330_19.9819.C30
Gene No.	21464	Strand	+
Start	5584	End	18751
Name	OJ990330_19.9819.C30.o3.np	Method	AAT/NAP
Start	7485	End	13862
GI	4510418	Score	711
Exons	7485..7639, 7760..7878, 8672..8884, 8954..9154, 9368..9453, 9558..9633, 9866..9918, 10001..10122, 10293..10497, 11319..11376, 11555..11611, 11693..11938, 12268..12333, 12433..12488, 12568..12661, 12797..12941, 13017..13086, 13823..13862		
GI Descrip.	(AC006929) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	10088	Seq. ID	OJ990330_19.9819.C30
Gene No.	21464	Strand	+
Start	5584	End	18751
Name	OJ990330_19.9819.C30.o4.np	Method	AAT/NAP
Start	12973	End	14912
GI	6598851	Score	539
Exons	12973..13110, 13934..14440, 14736..14912		
GI Descrip.	(AC010556) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	10088	Seq. ID	OJ990330_19.9819.C30
Gene No.	21464	Strand	+
Start	5584	End	18751
Name	OJ990330_19.9819.C30.o1.gp	Method	AAT/GAP
Start	14077	End	14408
GI	3762258	Score	664
Exons	14077..14408		

Seq. No.	10088	Seq. ID	OJ990330_19.9819.C30
Gene No.	21464	Strand	+
Start	5584	End	18751
Name	OJ990330_19.9819.C30.o2.gp	Method	AAT/GAP
Start	14554	End	15092
GI	3762257	Score	862
Exons	14554..14665, 14736..15092		

Seq. No.	10088	Seq. ID	OJ990330_19.9819.C30
Gene No.	21464	Strand	+
Start	5584	End	18751
Name	OJ990330_19.9819.C30.o5.np	Method	AAT/NAP
Start	18164	End	18667
GI	4204263	Score	298
Exons	18164..18667		
GI Descrip.	(AC005223) 40409 [Arabidopsis thaliana]		

Seq. No.	10088	Seq. ID	OJ990330_19.9819.C30
Gene No.	21464	Strand	+
Start	5584	End	18751
Name	OJ990330_19.9819.C30.o4.gp	Method	AAT/GAP
Start	18280	End	18728
GI	LIB3434-017-P1-K1-A10	Score	750
Exons	18280..18305, 18341..18728		
GI Descrip.	'2982466/emb|CAA18230.1| 1.0e-19 (AL022223) putative protein [Arabidopsis thaliana]'		

Seq. No.	10088	Seq. ID	OJ990330_19.9819.C30
Gene No.	21465	Strand	-
Start	297	End	5503
Name	OJ990330_19.9819.C30.o1.np	Method	AAT/NAP
Start	297	End	1886
GI	2832244	Score	139
Exons	297..363, 1563..1886		
GI Descrip.	(AF031569) hypothetical protein [Zea mays]		

Seq. No.	10088	Seq. ID	OJ990330_19.9819.C30
Gene No.	21465	Strand	-
Start	297	End	5503
Name	OJ990330_19.9819.C30.o2.np	Method	AAT/NAP
Start	1110	End	5503
GI	5042463	Score	280
Exons	1110..1341, 2667..2816, 2860..3016, 3718..3915, 5475..5503		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	10088	Seq. ID	OJ990330_19.9819.C30
Gene No.	21465	Strand	-
Start	297	End	5503
Name	OJ990330_19.9819.C30.o1.gs	Method	GENSCAN
Start	1562	End	5499
GI	none	Score	.41
Exons	1562..1727, 1932..2265, 2435..2816, 3718..3751, 4323..4430, 4708..4791, 4973..5059, 5224..5300, 5368..5499		

Seq. No.	10088	Seq. ID	OJ990330_19.9819.C30
Gene No.	21466	Strand	-
Start	17637	End	17914
Name	OJ990330_19.9819.C30.o3.gp	Method	AAT/GAP
Start	17637	End	17914
GI	none	Score	504
Exons	17637..17914		

Seq. No.	10088	Seq. ID	OJ990330_19.9819.C30
Gene No.	21467	Strand	-
Start	19621	End	20134

Name	OJ990330_19.9819.C30.o4.tm	Method	TBLASTX:Maize
Start	7791	End	8871
GI	none	Score	89
Exons	7791..7865, 7796..7864, 8514..8606, 8525..8608, 8654..8812, 8664..8828, 8668..8865, 8668..8871		

Seq. No.	10088	Seq. ID	OJ990330_19.9819.C30
Gene No.	21467	Strand	-
Start	19621	End	20134
Name	OJ990330_19.9819.C30.o1.tm	Method	TBLASTX:Maize
Start	8986	End	13096
GI	none	Score	80
Exons	8986..9060, 9550..9636, 9555..9632, 9556..9633, 9693..9779, 9712..9780, 9716..9781, 9716..9784, 9856..9924, 9866..9919, 10000..10167, 10001..10162, 10001..10174, 10002..10175, 10002..10175, 10287..10376, 10291..10497, 10291..10497, 10292..10498, 11310..11375, 11313..11375, 11314..11376, 11315..11377, 11551..11613, 11552..11611, 11687..11944, 11692..11931, 12244..12333, 12270..12332, 12413..12484, 12418..12483, 12420..12488, 12421..12489, 12566..12661, 12569..12661, 12571..12684, 12574..12684, 12796..12885, 12797..12886, 12797..12886, 12883..12924, 12887..12940, 12984..13094, 13000..13095, 13016..13096		

Seq. No.	10088	Seq. ID	OJ990330_19.9819.C30
Gene No.	21467	Strand	-
Start	19621	End	20134
Name	OJ990330_19.9819.C30.o4.ts	Method	TBLASTX:Soybean
Start	9860	End	10163
GI	none	Score	72
Exons	9860..9919, 10002..10163		

Seq. No.	10088	Seq. ID	OJ990330_19.9819.C30
Gene No.	21467	Strand	-
Start	19621	End	20134
Name	OJ990330_19.9819.C30.o5.ts	Method	TBLASTX:Soybean
Start	11552	End	11938
GI	none	Score	75
Exons	11552..11611, 11554..11583, 11681..11737, 11692..11727, 11729..11938		

Seq. No.	10088	Seq. ID	OJ990330_19.9819.C30
Gene No.	21467	Strand	-
Start	19621	End	20134
Name	OJ990330_19.9819.C30.o1.ts	Method	TBLASTX:Soybean
Start	13909	End	14196
GI	none	Score	264
Exons	13909..14196, 13927..14040, 14064..14195		

Seq. No.	10088	Seq. ID	OJ990330_19.9819.C30
Gene No.	21467	Strand	-
Start	19621	End	20134
Name	OJ990330_19.9819.C30.o3.tm	Method	TBLASTX:Maize
Start	13917	End	14863
GI	none	Score	34
Exons	13917..13952, 13922..13999, 13981..14196, 13981..14040, 14001..14195, 14146..14355, 14365..14424, 14547..14663,		

14551..14664, 14728..14862, 14735..14863, 14735..14863

Seq. No.	10088	Seq. ID	OJ990330_19.9819.C30
Gene No.	21467	Strand	-
Start	19621	End	20134
Name	OJ990330_19.9819.C30.o3.ts	Method	TBLASTX:Soybean
Start	14551	End	14860
GI	none	Score	125
Exons	14551..14664, 14735..14860		

Seq. No.	10088	Seq. ID	OJ990330_19.9819.C30
Gene No.	21467	Strand	-
Start	19621	End	20134
Name	OJ990330_19.9819.C30.o1.tc	Method	TBLASTX:Cress
Start	18175	End	18478
GI	none	Score	145
Exons	18175..18252, 18179..18289, 18335..18478, 18337..18465		

Seq. No.	10088	Seq. ID	OJ990330_19.9819.C30
Gene No.	21467	Strand	-
Start	19621	End	20134
Name	OJ990330_19.9819.C30.o2.tm	Method	TBLASTX:Maize
Start	18199	End	18751
GI	none	Score	443
Exons	18199..18465, 18203..18499, 18323..18493, 18571..18630, 18572..18673, 18731..18751		

Seq. No.	10088	Seq. ID	OJ990330_19.9819.C30
Gene No.	21467	Strand	-
Start	19621	End	20134
Name	OJ990330_19.9819.C30.o2.ts	Method	TBLASTX:Soybean
Start	18254	End	18484
GI	none	Score	43
Exons	18254..18289, 18335..18484, 18337..18459		

Seq. No.	10088	Seq. ID	OJ990330_19.9819.C30
Gene No.	21467	Strand	-
Start	19621	End	20134
Name	OJ990330_19.9819.C30.o3.gs	Method	GENSCAN
Start	19621	End	20134
GI	none	Score	.46
Exons	19621..19737, 20064..20134		

Seq. No.	10089	Seq. ID	OJ990330_19.9819.C31
Gene No.	21468	Strand	+
Start	2084	End	2235
Name	OJ990330_19.9819.C31.o1.gp	Method	AAT/GAP
Start	2084	End	2235
GI	none	Score	245
Exons	2084..2235		

Seq. No.	10089	Seq. ID	OJ990330_19.9819.C31
Gene No.	21469	Strand	-
Start	4268	End	4353
Name	OJ990330_19.9819.C31.o2.gp	Method	AAT/GAP
Start	4268	End	4353
GI	LIB3477-003-P1-K1-E9	Score	93

Exons	4268..4353		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	10090	Seq. ID	OJ990330_19.9819.C32
Gene No.	21470	Strand	-
Start	159	End	609
Name	OJ990330_19.9819.C32.o1.gs	Method	GENSCAN
Start	159	End	609
GI	none	Score	.5
Exons	159..274, 513..609		
Seq. No.	10091	Seq. ID	OJ990330_19.9819.C33
Gene No.	21471	Strand	+
Start	184	End	2703
Name	OJ990330_19.9819.C33.o1.gs	Method	GENSCAN
Start	184	End	2703
GI	none	Score	.55
Exons	184..227, 466..581, 1232..1289, 1880..1995, 2167..2349, 2521..2703		
Seq. No.	10092	Seq. ID	OJ990330_19.9819.C34
Gene No.	21472	Strand	+
Start	2700	End	4451
Name	OJ990330_19.9819.C34.o1.np	Method	AAT/NAP
Start	2700	End	4451
GI	6907087	Score	1076
Exons	2700..3068, 3113..3798, 4350..4451		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	10092	Seq. ID	OJ990330_19.9819.C34
Gene No.	21473	Strand	+
Start	4916	End	5297
Name	OJ990330_19.9819.C34.o1.gp	Method	AAT/GAP
Start	4916	End	5297
GI	uC-osflcyp033a04b1	Score	651
Exons	4916..5297		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	10092	Seq. ID	OJ990330_19.9819.C34
Gene No.	21474	Strand	+
Start	6991	End	7483
Name	OJ990330_19.9819.C34.o2.gp	Method	AAT/GAP
Start	6991	End	7483
GI	none	Score	393
Exons	6991..7014, 7162..7271, 7346..7483		
Seq. No.	10092	Seq. ID	OJ990330_19.9819.C34
Gene No.	21475	Strand	-
Start	4844	End	5049
Name	OJ990330_19.9819.C34.o2.np	Method	AAT/NAP
Start	4844	End	5049
GI	4680186	Score	241

Exons	4844..5049		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	10093	Seq. ID	OJ990330_19.9819.C35
Gene No.	21476	Strand	+
Start	203	End	5343
Name	OJ990330_19.9819.C35.o1.gs	Method	GENSCAN
Start	203	End	5343
GI	none	Score	.57
Exons	203..287, 1461..1704, 1797..1888, 1933..2188, 2479..2577, 4135..4246, 4501..4714, 4747..4887, 5120..5343		

Seq. No.	10093	Seq. ID	OJ990330_19.9819.C35
Gene No.	21476	Strand	+
Start	203	End	5343
Name	OJ990330_19.9819.C35.o2.np	Method	AAT/NAP
Start	1141	End	2189
GI	6523547	Score	270
Exons	1141..2189		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	10093	Seq. ID	OJ990330_19.9819.C35
Gene No.	21477	Strand	-
Start	1	End	2268
Name	OJ990330_19.9819.C35.o1.np	Method	AAT/NAP
Start	1	End	2268
GI	6523547	Score	237
Exons	1..825, 2155..2268		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	10094	Seq. ID	OJ990330_19.9819.C36
Gene No.	21478	Strand	+
Start	227	End	522
Name	OJ990330_19.9819.C36.o1.gs	Method	GENSCAN
Start	227	End	522
GI	none	Score	.42
Exons	227..273, 498..522		

Seq. No.	10095	Seq. ID	OJ990330_19.9819.C40
Gene No.	21479	Strand	-
Start	510	End	574
Name	OJ990330_19.9819.C40.o1.gs	Method	GENSCAN
Start	510	End	574
GI	none	Score	.76
Exons	510..574		

Seq. No.	10096	Seq. ID	OJ990330_19.9819.C41
Gene No.	21480	Strand	-
Start	1	End	744
Name	OJ990330_19.9819.C41.o1.np	Method	AAT/NAP
Start	1	End	744
GI	5091513	Score	328
Exons	1..21, 225..744		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	10096	Seq. ID	OJ990330_19.9819.C41
Gene No.	21480	Strand	-
Start	1	End	744
Name	OJ990330_19.9819.C41.o1.gs	Method	GENSCAN
Start	326	End	481
GI	none	Score	.47
Exons	326..481		

Seq. No.	10097	Seq. ID	OJ990330_19.9819.C42
Gene No.	21481	Strand	+
Start	512	End	663
Name	OJ990330_19.9819.C42.o1.gs	Method	GENSCAN
Start	512	End	663
GI	none	Score	.44
Exons	512..663		

Seq. No.	10097	Seq. ID	OJ990330_19.9819.C42
Gene No.	21482	Strand	+
Start	588	End	728
Name	OJ990330_19.9819.C42.o1.np	Method	AAT/NAP
Start	588	End	728
GI	2244752	Score	74
Exons	588..728		
GI Descrip.	(Z97335) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	10098	Seq. ID	OJ990310_04.9819.C1
Gene No.	21483	Strand	+
Start	553	End	2747
Name	OJ990310_04.9819.C1.o1.np	Method	AAT/NAP
Start	553	End	1192
GI	6721559	Score	370
Exons	553..1026, 1056..1192		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815084|dbj|BAA90370.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	10098	Seq. ID	OJ990310_04.9819.C1
Gene No.	21483	Strand	+
Start	553	End	2747
Name	OJ990310_04.9819.C1.o1.gs	Method	GENSCAN
Start	933	End	2747
GI	none	Score	.78
Exons	933..1006, 1533..1684, 1808..1915, 2142..2279, 2385..2527, 2634..2747		

Seq. No.	10098	Seq. ID	OJ990310_04.9819.C1
Gene No.	21484	Strand	+
Start	2661	End	5158
Name	OJ990310_04.9819.C1.o2.np	Method	AAT/NAP
Start	2661	End	3638
GI	6815107	Score	485
Exons	2661..3638		
GI Descrip.	(AP001081) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10;hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	10098	Seq. ID	OJ990310_04.9819.C1
Gene No.	21484	Strand	+

Start	2661	End	5158
Name	OJ990310_04.9819.C1.o1.tm	Method	TBLASTX:Maize
Start	3283	End	3637
GI	none	Score	256
Exons	3283..3633, 3290..3637		

Seq. No.	10098	Seq. ID	OJ990310_04.9819.C1
Gene No.	21484	Strand	+
Start	2661	End	5158
Name	OJ990310_04.9819.C1.o1.ts	Method	TBLASTX:Soybean
Start	3314	End	3650
GI	none	Score	270
Exons	3314..3646, 3318..3650, 3352..3585		

Seq. No.	10098	Seq. ID	OJ990310_04.9819.C1
Gene No.	21484	Strand	+
Start	2661	End	5158
Name	OJ990310_04.9819.C1.o3.np	Method	AAT/NAP
Start	3344	End	5158
GI	4432794	Score	53
Exons	3344..3415, 4962..5158		
GI Descrip.	(AC006437) putative TNP2-like transposon protein [Arabidopsis thaliana]		

Seq. No.	10099	Seq. ID	OJ990310_04.9819.C4
Gene No.	21485	Strand	+
Start	150	End	280
Name	OJ990310_04.9819.C4.o1.gs	Method	GENSCAN
Start	150	End	280
GI	none	Score	.98
Exons	150..280		

Seq. No.	10100	Seq. ID	OJ990310_04.9819.C5
Gene No.	21486	Strand	+
Start	2062	End	2115
Name	OJ990310_04.9819.C5.o1.gp	Method	AAT/GAP
Start	2062	End	2115
GI	LIB3477-003-P1-K1-E9	Score	60
Exons	2062..2115		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	10100	Seq. ID	OJ990310_04.9819.C5
Gene No.	21487	Strand	-
Start	582	End	688
Name	OJ990310_04.9819.C5.o1.gs	Method	GENSCAN
Start	582	End	688
GI	none	Score	.69
Exons	582..688		

Seq. No.	10101	Seq. ID	OJ990310_04.9819.C7
Gene No.	21488	Strand	-
Start	842	End	2725
Name	OJ990310_04.9819.C7.o1.gs	Method	GENSCAN
Start	842	End	2725
GI	none	Score	.47

Exons 842..1012, 1180..1209, 1297..1381, 2566..2725

Seq. No.	10102	Seq. ID	OJ990310_04.9819.C8
Gene No.	21489	Strand	+
Start	755	End	2606
Name	OJ990310_04.9819.C8.o1.gs	Method	GENSCAN
Start	755	End	1379
GI	none	Score	.87
Exons	755..890, 1179..1379		

Seq. No.	10102	Seq. ID	OJ990310_04.9819.C8
Gene No.	21489	Strand	+
Start	755	End	2606
Name	OJ990310_04.9819.C8.o1.np	Method	AAT/NAP
Start	931	End	2468
GI	3461821	Score	165
Exons	931..1041, 2123..2468		
GI Descrip.	(AC004138) putative nucleoside triphosphatase [Arabidopsis thaliana]		

Seq. No.	10102	Seq. ID	OJ990310_04.9819.C8
Gene No.	21489	Strand	+
Start	755	End	2606
Name	OJ990310_04.9819.C8.o2.gs	Method	GENSCAN
Start	1935	End	2606
GI	none	Score	.64
Exons	1935..2030, 2067..2453, 2523..2606		

Seq. No.	10102	Seq. ID	OJ990310_04.9819.C8
Gene No.	21489	Strand	+
Start	755	End	2606
Name	OJ990310_04.9819.C8.o1.tm	Method	TBLASTX:Maize
Start	2006	End	2315
GI	none	Score	279
Exons	2006..2047, 2115..2312, 2121..2315, 2126..2314		

Seq. No.	10102	Seq. ID	OJ990310_04.9819.C8
Gene No.	21489	Strand	+
Start	755	End	2606
Name	OJ990310_04.9819.C8.o1.tc	Method	TBLASTX:Cress
Start	2202	End	2473
GI	none	Score	82
Exons	2202..2312, 2228..2311, 2321..2473, 2328..2468		

Seq. No.	10102	Seq. ID	OJ990310_04.9819.C8
Gene No.	21489	Strand	+
Start	755	End	2606
Name	OJ990310_04.9819.C8.o1.gp	Method	AAT/GAP
Start	2285	End	2463
GI	49573_1.R1084	Score	340
Exons	2285..2463		
GI Descrip.	'3461821 2.0e-49 (AC004138) putative nucleoside triphosphatase [Arabidopsis thaliana]'		

Seq. No.	10102	Seq. ID	OJ990310_04.9819.C8
Gene No.	21489	Strand	+
Start	755	End	2606

Name	OJ990310_04.9819.C8.o2.tm	Method	TBLASTX:Maize
Start	2321	End	2473
GI	none	Score	135
Exons	2321..2473, 2323..2454, 2325..2468		

Seq. No.	10103	Seq. ID	OJ990310_04.9819.C9
Gene No.	21490	Strand	+
Start	1	End	12829
Name	OJ990310_04.9819.C9.o1.np	Method	AAT/NAP
Start	1	End	2778
GI	3461821	Score	539
Exons	1..24, 340..469, 737..844, 1411..1706, 2230..2426, 2526..2778		
GI Descrip.	(AC004138) putative nucleoside triphosphatase [Arabidopsis thaliana]		

Seq. No.	10103	Seq. ID	OJ990310_04.9819.C9
Gene No.	21490	Strand	+
Start	1	End	12829
Name	OJ990310_04.9819.C9.o1.gs	Method	GENSCAN
Start	178	End	11716
GI	none	Score	.76
Exons	178..232, 737..844, 945..987, 1468..1650, 2050..2147, 2230..2333, 2526..2756, 3068..3188, 3500..3577, 3972..4048, 5855..5987, 6663..6868, 7495..7614, 7676..7763, 7841..7874, 8322..8452, 8669..8742, 8883..8961, 9415..9488, 10331..10418, 10668..10794, 10878..10982, 11460..11583, 11665..11716		

Seq. No.	10103	Seq. ID	OJ990310_04.9819.C9
Gene No.	21490	Strand	+
Start	1	End	12829
Name	OJ990310_04.9819.C9.o1.gp	Method	AAT/GAP
Start	941	End	1464
GI	none	Score	999
Exons	941..1464		

Seq. No.	10103	Seq. ID	OJ990310_04.9819.C9
Gene No.	21490	Strand	+
Start	1	End	12829
Name	OJ990310_04.9819.C9.o2.np	Method	AAT/NAP
Start	3835	End	3917
GI	6630699	Score	95
Exons	3835..3917		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	10103	Seq. ID	OJ990310_04.9819.C9
Gene No.	21490	Strand	+
Start	1	End	12829
Name	OJ990310_04.9819.C9.o3.np	Method	AAT/NAP
Start	4045	End	4460
GI	6539570	Score	227
Exons	4045..4247, 4394..4460		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	10103	Seq. ID	OJ990310_04.9819.C9
Gene No.	21490	Strand	+

Start	1	End	12829
Name	OJ990310_04.9819.C9.o4.np	Method	AAT/NAP
Start	8927	End	12829
GI	2894600	Score	455
Exons	8927..8961, 9068..9157, 9415..9488, 10331..10418, 10668..10794, 10878..10986, 11615..11716, 12794..12829		
GI Descrip.	(AL021889) putative protein [Arabidopsis thaliana]		

Seq. No.	10103	Seq. ID	OJ990310_04.9819.C9
Gene No.	21490	Strand	+
Start	1	End	12829
Name	OJ990310_04.9819.C9.o3.gp	Method	AAT/GAP
Start	9413	End	11532
GI	2443118	Score	846
Exons	9413..9488, 10331..10418, 10668..10794, 10878..10982, 11460..11532		
GI Descrip.	2894600/emb|CAA17134.1| 1.0e-47 (AL021889) putative protein [Arabidopsis thaliana]		

Seq. No.	10103	Seq. ID	OJ990310_04.9819.C9
Gene No.	21491	Strand	-
Start	3834	End	4260
Name	OJ990310_04.9819.C9.o2.ts	Method	TBLASTX:Soybean
Start	343	End	477
GI	none	Score	183
Exons	343..471, 344..472, 351..476, 400..477		

Seq. No.	10103	Seq. ID	OJ990310_04.9819.C9
Gene No.	21491	Strand	-
Start	3834	End	4260
Name	OJ990310_04.9819.C9.o4.tm	Method	TBLASTX:Maize
Start	353	End	995
GI	none	Score	180
Exons	353..469, 356..472, 400..477, 732..839, 733..843, 734..844, 744..863, 925..987, 938..988, 942..995		

Seq. No.	10103	Seq. ID	OJ990310_04.9819.C9
Gene No.	21491	Strand	-
Start	3834	End	4260
Name	OJ990310_04.9819.C9.o1.ts	Method	TBLASTX:Soybean
Start	743	End	2775
GI	none	Score	101
Exons	743..841, 1542..1646, 2048..2164, 2049..2195, 2193..2426, 2227..2427, 2524..2586, 2541..2585, 2706..2771, 2707..2775		

Seq. No.	10103	Seq. ID	OJ990310_04.9819.C9
Gene No.	21491	Strand	-
Start	3834	End	4260
Name	OJ990310_04.9819.C9.o1.tm	Method	TBLASTX:Maize
Start	1469	End	2659
GI	none	Score	83
Exons	1469..1522, 1473..1520, 1474..1527, 1536..1646, 1547..1648, 1550..1645, 2048..2152, 2049..2147, 2049..2153, 2220..2339, 2220..2435, 2227..2436, 2506..2586, 2521..2652, 2523..2657, 2531..2659		

Seq. No.	10103	Seq. ID	OJ990310_04.9819.C9

Gene No.	21491	Strand	-
Start	3834	End	4260
Name	OJ990310_04.9819.C9.o1.tc	Method	TBLASTX:Cress
Start	2048	End	2628
GI	none	Score	132
Exons	2048..2131, 2049..2147, 2193..2435, 2227..2436, 2524..2628		

Seq. No.	10103	Seq. ID	OJ990310_04.9819.C9
Gene No.	21491	Strand	-
Start	3834	End	4260
Name	OJ990310_04.9819.C9.o3.tm	Method	TBLASTX:Maize
Start	2661	End	2880
GI	none	Score	194
Exons	2661..2813, 2664..2876, 2707..2814, 2794..2832, 2841..2870, 2851..2880		

Seq. No.	10103	Seq. ID	OJ990310_04.9819.C9
Gene No.	21491	Strand	-
Start	3834	End	4260
Name	OJ990310_04.9819.C9.o2.gp	Method	AAT/GAP
Start	3834	End	4260
GI	LIB3479-006-Q6-K1-B11	Score	609
Exons	3834..4260		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 1.0e-110 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	10103	Seq. ID	OJ990310_04.9819.C9
Gene No.	21492	Strand	
Start	11453	End	11725
Name	OJ990310_04.9819.C9.o2.tm	Method	TBLASTX:Maize
Start	11453	End	11725
GI	none	Score	186
Exons	11453..11584, 11458..11514, 11463..11585, 11663..11716, 11666..11725		

Seq. No.	10104	Seq. ID	OJ990310_04.9819.C10
Gene No.	21493	Strand	+
Start	942	End	1385
Name	OJ990310_04.9819.C10.o1.gp	Method	AAT/GAP
Start	942	End	1385
GI	none	Score	835
Exons	942..1385		

Seq. No.	10104	Seq. ID	OJ990310_04.9819.C10
Gene No.	21493	Strand	+
Start	942	End	1385
Name	OJ990310_04.9819.C10.o1.np	Method	AAT/NAP
Start	950	End	1104
GI	6138901	Score	75
Exons	950..1104		
GI Descrip.	(AL132675) hypothetical integral membrane protein [Schizosaccharomyces pombe]		

Seq. No.	10104	Seq. ID	OJ990310_04.9819.C10
Gene No.	21494	Strand	+
Start	1584	End	3440
Name	OJ990310_04.9819.C10.o2.np	Method	AAT/NAP

Start	1584	End	3440
GI	231574	Score	172
Exons	1584..1618, 2901..3081, 3112..3440		
GI Descrip.	L-ASPARAGINASE (L-ASPARAGINE AMIDOHYDROLASE) gi|81837|pir||S22523 asparaginase (EC 3.5.1.1) - tree lupine (fragment) gi|19137|emb|CAA36824| (X52588) asparaginase [Lupinus arboreus]		

Seq. No.	10104	Seq. ID	OJ990310_04.9819.C10
Gene No.	21495	Strand	+
Start	10561	End	12773
Name	OJ990310_04.9819.C10.o2.gs	Method	GENSCAN
Start	10561	End	12773
GI	none	Score	.68
Exons	10561..10634, 11160..11314, 11376..11474, 11581..11689, 11712..11822, 11994..12192, 12385..12773		

Seq. No.	10104	Seq. ID	OJ990310_04.9819.C10
Gene No.	21496	Strand	-
Start	2363	End	5436
Name	OJ990310_04.9819.C10.o2.tm	Method	TBLASTX:Maize
Start	82	End	1165
GI	none	Score	89
Exons	82..150, 96..143, 710..811, 712..810, 729..815, 952..1113, 954..1121, 957..1112, 958..1113, 1028..1165		

Seq. No.	10104	Seq. ID	OJ990310_04.9819.C10
Gene No.	21496	Strand	-
Start	2363	End	5436
Name	OJ990310_04.9819.C10.o1.gs	Method	GENSCAN
Start	2363	End	5436
GI	none	Score	.88
Exons	2363..2802, 2825..2976, 2982..3174, 3218..3397, 5313..5436		

Seq. No.	10104	Seq. ID	OJ990310_04.9819.C10
Gene No.	21496	Strand	-
Start	2363	End	5436
Name	OJ990310_04.9819.C10.o1.ts	Method	TBLASTX:Soybean
Start	2900	End	3386
GI	none	Score	128
Exons	2900..2989, 2901..2990, 3102..3203, 3102..3203, 3103..3204, 3103..3207, 3201..3257, 3202..3255, 3202..3258, 3270..3386, 3275..3385		

Seq. No.	10104	Seq. ID	OJ990310_04.9819.C10
Gene No.	21496	Strand	-
Start	2363	End	5436
Name	OJ990310_04.9819.C10.o1.tm	Method	TBLASTX:Maize
Start	3207	End	3386
GI	none	Score	62
Exons	3207..3257, 3208..3255, 3270..3386, 3270..3371, 3272..3385		

Seq. No.	10105	Seq. ID	OJ990310_04.9819.C13
Gene No.	21497	Strand	-
Start	907	End	1355
Name	OJ990310_04.9819.C13.o1.gs	Method	GENSCAN
Start	907	End	1355

GI	none	Score	.56
Exons	907..1355		

Seq. No.	10106	Seq. ID	OJ990310_04.9819.C14
Gene No.	21498	Strand	-
Start	1	End	3462
Name	OJ990310_04.9819.C14.o1.np	Method	AAT/NAP
Start	1	End	344
GI	82307	Score	548
Exons	1..344		
GI Descrip.	myb protein 306 - garden snapdragon gi|256828|bbs|115017 Myb oncoprotein homolog {clone 306} [Antirrhinum majus=snapdragons, J1:522, flowers, Peptide, 316 aa]		

Seq. No.	10106	Seq. ID	OJ990310_04.9819.C14
Gene No.	21498	Strand	-
Start	1	End	3462
Name	OJ990310_04.9819.C14.o1.tc	Method	TBLASTX:Cress
Start	3	End	357
GI	none	Score	129
Exons	3..353, 223..357		

Seq. No.	10106	Seq. ID	OJ990310_04.9819.C14
Gene No.	21498	Strand	-
Start	1	End	3462
Name	OJ990310_04.9819.C14.o1.ts	Method	TBLASTX:Soybean
Start	3	End	339
GI	none	Score	130
Exons	3..338, 220..339		

Seq. No.	10106	Seq. ID	OJ990310_04.9819.C14
Gene No.	21498	Strand	-
Start	1	End	3462
Name	OJ990310_04.9819.C14.o1.tw	Method	TBLASTX:Wheat
Start	6	End	353
GI	none	Score	88
Exons	6..353, 223..342		

Seq. No.	10106	Seq. ID	OJ990310_04.9819.C14
Gene No.	21498	Strand	-
Start	1	End	3462
Name	OJ990310_04.9819.C14.o1.tm	Method	TBLASTX:Maize
Start	12	End	383
GI	none	Score	157
Exons	12..383, 223..345		

Seq. No.	10106	Seq. ID	OJ990310_04.9819.C14
Gene No.	21498	Strand	-
Start	1	End	3462
Name	OJ990310_04.9819.C14.o1.gs	Method	GENSCAN
Start	31	End	3462
GI	none	Score	.69
Exons	31..98, 276..410, 560..706, 1693..1761, 3144..3462		

Seq. No.	10106	Seq. ID	OJ990310_04.9819.C14
Gene No.	21498	Strand	-
Start	1	End	3462

Name	OJ990310_04.9819.C14.o2.np	Method	AAT/NAP
Start	474	End	681
GI	6539571	Score	54
Exons	474..681		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	10107	Seq. ID	OJ990310_04.9819.C15
Gene No.	21499	Strand	+
Start	1	End	4540
Name	OJ990310_04.9819.C15.o1.np	Method	AAT/NAP
Start	1	End	4540
GI	5852180	Score	352
Exons	1..155, 3112..3165, 4153..4270, 4322..4540		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	10107	Seq. ID	OJ990310_04.9819.C15
Gene No.	21500	Strand	-
Start	534	End	1637
Name	OJ990310_04.9819.C15.o1.gs	Method	GENSCAN
Start	534	End	1637
GI	none	Score	.69
Exons	534..1637		

Seq. No.	10107	Seq. ID	OJ990310_04.9819.C15
Gene No.	21501	Strand	-
Start	2543	End	4316
Name	OJ990310_04.9819.C15.o2.gs	Method	GENSCAN
Start	2543	End	4316
GI	none	Score	.41
Exons	2543..2571, 4175..4316		

Seq. No.	10107	Seq. ID	OJ990310_04.9819.C15
Gene No.	21501	Strand	-
Start	2543	End	4316
Name	OJ990310_04.9819.C15.o1.gp	Method	AAT/GAP
Start	3014	End	3398
GI	uC-osflcyp033a04b1	Score	686
Exons	3014..3398		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	10108	Seq. ID	OJ990310_04.9819.C16
Gene No.	21502	Strand	-
Start	763	End	1117
Name	OJ990310_04.9819.C16.o1.gs	Method	GENSCAN
Start	763	End	1117
GI	none	Score	.99
Exons	763..1117		

Seq. No.	10109	Seq. ID	OJ990310_04.9819.C17
Gene No.	21503	Strand	+
Start	450	End	746
Name	OJ990310_04.9819.C17.o1.gs	Method	GENSCAN
Start	450	End	746
GI	none	Score	.53
Exons	450..563, 612..746		

Seq. No.	10110	Seq. ID	OJ990310_04.9819.C18
Gene No.	21504	Strand	-
Start	261	End	423
Name	OJ990310_04.9819.C18.o1.gs	Method	GENSCAN
Start	261	End	423
GI	none	Score	.66
Exons	261..290, 378..423		

Seq. No.	10111	Seq. ID	OJ990310_04.9819.C20
Gene No.	21505	Strand	+
Start	4333	End	4749
Name	OJ990310_04.9819.C20.o4.gs	Method	GENSCAN
Start	4333	End	4749
GI	none	Score	.95
Exons	4333..4749		

Seq. No.	10111	Seq. ID	OJ990310_04.9819.C20
Gene No.	21506	Strand	-
Start	864	End	1204
Name	OJ990310_04.9819.C20.o1.gs	Method	GENSCAN
Start	864	End	1204
GI	none	Score	.89
Exons	864..985, 1046..1204		

Seq. No.	10111	Seq. ID	OJ990310_04.9819.C20
Gene No.	21507	Strand	-
Start	2174	End	2656
Name	OJ990310_04.9819.C20.o2.gs	Method	GENSCAN
Start	2174	End	2656
GI	none	Score	.98
Exons	2174..2656		

Seq. No.	10112	Seq. ID	OJ990310_04.9819.C21
Gene No.	21508	Strand	+
Start	4	End	333
Name	OJ990310_04.9819.C21.o1.gs	Method	GENSCAN
Start	4	End	333
GI	none	Score	.49
Exons	4..333		

Seq. No.	10112	Seq. ID	OJ990310_04.9819.C21
Gene No.	21509	Strand	-
Start	2012	End	2551
Name	OJ990310_04.9819.C21.o2.gs	Method	GENSCAN
Start	2012	End	2551
GI	none	Score	.93
Exons	2012..2551		

Seq. No.	10112	Seq. ID	OJ990310_04.9819.C21
Gene No.	21510	Strand	-
Start	3071	End	7157
Name	OJ990310_04.9819.C21.o1.np	Method	AAT/NAP
Start	3068	End	7157
GI	4335731	Score	2813
Exons	3068..5346, 5377..6400, 6491..7157		
GI Descrip.	(AC006248) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	10112	Seq. ID	OJ990310_04.9819.C21
Gene No.	21510	Strand	-
Start	3071	End	7157
Name	OJ990310_04.9819.C21.o3.gs	Method	GENSCAN
Start	3071	End	7148
GI	none	Score	.88
Exons	3071..4334, 4461..5606, 5918..6305, 6377..7148		

Seq. No.	10112	Seq. ID	OJ990310_04.9819.C21
Gene No.	21511	Strand	-
Start	8419	End	12564
Name	OJ990310_04.9819.C21.o1.tc	Method	TBLASTX:Cress
Start	3083	End	3742
GI	none	Score	64
Exons	3083..3313, 3129..3314, 3320..3445, 3458..3541, 3557..3742		

Seq. No.	10112	Seq. ID	OJ990310_04.9819.C21
Gene No.	21511	Strand	-
Start	8419	End	12564
Name	OJ990310_04.9819.C21.o1.tm	Method	TBLASTX:Maize
Start	3083	End	3730
GI	none	Score	42
Exons	3083..3301, 3225..3293, 3326..3730, 3327..3533		

Seq. No.	10112	Seq. ID	OJ990310_04.9819.C21
Gene No.	21511	Strand	-
Start	8419	End	12564
Name	OJ990310_04.9819.C21.o3.tw	Method	TBLASTX:Wheat
Start	3113	End	3589
GI	none	Score	38
Exons	3113..3310, 3225..3311, 3324..3563, 3326..3589		

Seq. No.	10112	Seq. ID	OJ990310_04.9819.C21
Gene No.	21511	Strand	-
Start	8419	End	12564
Name	OJ990310_04.9819.C21.o4.ts	Method	TBLASTX:Soybean
Start	3206	End	3524
GI	none	Score	115
Exons	3206..3523, 3209..3400, 3216..3524		

Seq. No.	10112	Seq. ID	OJ990310_04.9819.C21
Gene No.	21511	Strand	-
Start	8419	End	12564
Name	OJ990310_04.9819.C21.o3.ts	Method	TBLASTX:Soybean
Start	3536	End	3961
GI	none	Score	302
Exons	3536..3961, 3537..3944		

Seq. No.	10112	Seq. ID	OJ990310_04.9819.C21
Gene No.	21511	Strand	-
Start	8419	End	12564
Name	OJ990310_04.9819.C21.o1.tw	Method	TBLASTX:Wheat
Start	3773	End	4430
GI	none	Score	90
Exons	3773..3871, 3884..4090, 4085..4429, 4299..4430		

Seq. No.	10112	Seq. ID	OJ990310_04.9819.C21
Gene No.	21511	Strand	-
Start	8419	End	12564
Name	OJ990310_04.9819.C21.o3.tm	Method	TBLASTX:Maize
Start	3965	End	4430
GI	none	Score	68
Exons	3965..4429, 4122..4271, 4293..4430		

Seq. No.	10112	Seq. ID	OJ990310_04.9819.C21
Gene No.	21511	Strand	-
Start	8419	End	12564
Name	OJ990310_04.9819.C21.o2.ts	Method	TBLASTX:Soybean
Start	4094	End	4606
GI	5509260	Score	64
Exons	4094..4606, 4122..4178, 4196..4279, 4245..4598, 4319..4603		
GI Descrip.	-		

Seq. No.	10112	Seq. ID	OJ990310_04.9819.C21
Gene No.	21511	Strand	-
Start	8419	End	12564
Name	OJ990310_04.9819.C21.o3.tc	Method	TBLASTX:Cress
Start	4211	End	4484
GI	none	Score	125
Exons	4211..4483, 4245..4484		

Seq. No.	10112	Seq. ID	OJ990310_04.9819.C21
Gene No.	21511	Strand	-
Start	8419	End	12564
Name	OJ990310_04.9819.C21.o1.ts	Method	TBLASTX:Soybean
Start	4886	End	5362
GI	none	Score	254
Exons	4886..5362, 4989..5360		

Seq. No.	10112	Seq. ID	OJ990310_04.9819.C21
Gene No.	21511	Strand	-
Start	8419	End	12564
Name	OJ990310_04.9819.C21.o2.tc	Method	TBLASTX:Cress
Start	4898	End	5347
GI	none	Score	104
Exons	4898..5329, 4904..5347		

Seq. No.	10112	Seq. ID	OJ990310_04.9819.C21
Gene No.	21511	Strand	-
Start	8419	End	12564
Name	OJ990310_04.9819.C21.o2.tm	Method	TBLASTX:Maize
Start	4901	End	5539
GI	none	Score	130
Exons	4901..5470, 5172..5471, 5471..5539		

Seq. No.	10112	Seq. ID	OJ990310_04.9819.C21
Gene No.	21511	Strand	-
Start	8419	End	12564
Name	OJ990310_04.9819.C21.o2.tw	Method	TBLASTX:Wheat
Start	4919	End	5596
GI	none	Score	89
Exons	4919..5059, 5024..5125, 5135..5596, 5147..5464, 5148..5531		

Seq. No.	10112	Seq. ID	OJ990310_04.9819.C21
Gene No.	21511	Strand	-
Start	8419	End	12564
Name	OJ990310_04.9819.C21.o5.ts	Method	TBLASTX:Soybean
Start	5399	End	5731
GI	none	Score	147
Exons	5399..5731, 5409..5699, 5558..5635		

Seq. No.	10112	Seq. ID	OJ990310_04.9819.C21
Gene No.	21511	Strand	-
Start	8419	End	12564
Name	OJ990310_04.9819.C21.o6.ts	Method	TBLASTX:Soybean
Start	6025	End	6971
GI	none	Score	245
Exons	6025..6153, 6567..6971		

Seq. No.	10112	Seq. ID	OJ990310_04.9819.C21
Gene No.	21511	Strand	-
Start	8419	End	12564
Name	OJ990310_04.9819.C21.o4.tc	Method	TBLASTX:Cress
Start	6690	End	7058
GI	none	Score	262
Exons	6690..7058		

Seq. No.	10112	Seq. ID	OJ990310_04.9819.C21
Gene No.	21511	Strand	-
Start	8419	End	12564
Name	OJ990310_04.9819.C21.o4.gs	Method	GENSCAN
Start	8419	End	12564
GI	none	Score	.57
Exons	8419..8578, 8629..8749, 9058..9156, 10897..10921, 11051..11145, 11398..11426, 11903..12077, 12097..12346, 12421..12564		

Seq. No.	10113	Seq. ID	OJ990310_04.9819.C22
Gene No.	21512	Strand	+
Start	1378	End	2467
Name	OJ990310_04.9819.C22.o1.gs	Method	GENSCAN
Start	1378	End	2467
GI	none	Score	.48
Exons	1378..1459, 2346..2467		

Seq. No.	10113	Seq. ID	OJ990310_04.9819.C22
Gene No.	21513	Strand	-
Start	3898	End	7785
Name	OJ990310_04.9819.C22.o2.gs	Method	GENSCAN
Start	3898	End	7785
GI	none	Score	.45
Exons	3898..4024, 4639..4767, 5381..5435, 5630..6611, 6885..7785		

Seq. No.	10113	Seq. ID	OJ990310_04.9819.C22
Gene No.	21513	Strand	-
Start	3898	End	7785
Name	OJ990310_04.9819.C22.o3.tm	Method	TBLASTX:Maize
Start	5670	End	6015
GI	none	Score	88
Exons	5670..5840, 5671..5844, 5880..6014, 5911..6015		

Seq. No.	10113	Seq. ID	OJ990310_04.9819.C22
Gene No.	21513	Strand	-
Start	3898	End	7785
Name	OJ990310_04.9819.C22.o1.tm	Method	TBLASTX:Maize
Start	6029	End	6463
GI	none	Score	93
Exons	6029..6196, 6033..6200, 6037..6204, 6196..6447, 6207..6455, 6248..6463		

Seq. No.	10113	Seq. ID	OJ990310_04.9819.C22
Gene No.	21513	Strand	-
Start	3898	End	7785
Name	OJ990310_04.9819.C22.o2.tm	Method	TBLASTX:Maize
Start	6594	End	7016
GI	none	Score	40
Exons	6594..6734, 6595..6630, 6670..6744, 6762..7016, 6772..7002		

Seq. No.	10113	Seq. ID	OJ990310_04.9819.C22
Gene No.	21513	Strand	-
Start	3898	End	7785
Name	OJ990310_04.9819.C22.o3.np	Method	AAT/NAP
Start	7330	End	7658
GI	4587256	Score	517
Exons	7330..7658		
GI Descrip.	(AB022172) T580-9 [Oryza sativa]		

Seq. No.	10114	Seq. ID	OJ990310_04.9819.C23
Gene No.	21514	Strand	+
Start	474	End	2452
Name	OJ990310_04.9819.C23.o1.gs	Method	GENSCAN
Start	474	End	2452
GI	none	Score	.55
Exons	474..507, 2334..2452		

Seq. No.	10114	Seq. ID	OJ990310_04.9819.C23
Gene No.	21515	Strand	-
Start	2963	End	3649
Name	OJ990310_04.9819.C23.o2.gs	Method	GENSCAN
Start	2963	End	3649
GI	none	Score	.49
Exons	2963..3082, 3332..3356, 3434..3649		

Seq. No.	10115	Seq. ID	OJ990310_04.9819.C24
Gene No.	21516	Strand	-
Start	1061	End	2643
Name	OJ990310_04.9819.C24.o1.gs	Method	GENSCAN
Start	1061	End	2643
GI	none	Score	.72
Exons	1061..1123, 2205..2318, 2365..2477, 2532..2643		

Seq. No.	10116	Seq. ID	OJ990310_04.9819.C25
Gene No.	21517	Strand	-
Start	720	End	2018
Name	OJ990310_04.9819.C25.o1.gs	Method	GENSCAN
Start	720	End	2018
GI	none	Score	.96
Exons	720..814, 951..1066, 1753..2018		

Seq. No.	10116	Seq. ID	OJ990310_04.9819.C25
Gene No.	21517	Strand	-
Start	720	End	2018
Name	OJ990310_04.9819.C25.o1.np	Method	AAT/NAP
Start	1762	End	2018
GI	5734781	Score	82
Exons	1762..2018		
GI Descrip.	(AC007980) 89719 [Arabidopsis thaliana]		

Seq. No.	10117	Seq. ID	OJ990310_04.9819.C26
Gene No.	21518	Strand	+
Start	431	End	848
Name	OJ990310_04.9819.C26.o1.gs	Method	GENSCAN
Start	431	End	848
GI	none	Score	.57
Exons	431..580, 788..848		

Seq. No.	10117	Seq. ID	OJ990310_04.9819.C26
Gene No.	21519	Strand	+
Start	5455	End	7618
Name	OJ990310_04.9819.C26.o3.gs	Method	GENSCAN
Start	5455	End	7618
GI	none	Score	.6
Exons	5455..5984, 7010..7199, 7279..7459, 7473..7618		

Seq. No.	10117	Seq. ID	OJ990310_04.9819.C26
Gene No.	21520	Strand	+
Start	16574	End	18306
Name	OJ990310_04.9819.C26.o6.gs	Method	GENSCAN
Start	16574	End	18306
GI	none	Score	.76
Exons	16574..16642, 17107..17340, 17854..18306		

Seq. No.	10117	Seq. ID	OJ990310_04.9819.C26
Gene No.	21521	Strand	+
Start	21388	End	21597
Name	OJ990310_04.9819.C26.o8.gs	Method	GENSCAN
Start	21388	End	21597
GI	none	Score	.45
Exons	21388..21597		

Seq. No.	10117	Seq. ID	OJ990310_04.9819.C26
Gene No.	21522	Strand	-
Start	2057	End	4097
Name	OJ990310_04.9819.C26.o2.gs	Method	GENSCAN
Start	2057	End	4017
GI	none	Score	.42
Exons	2057..2153, 3027..3260, 3294..3408, 3990..4017		

Seq. No.	10117	Seq. ID	OJ990310_04.9819.C26
Gene No.	21522	Strand	-
Start	2057	End	4097
Name	OJ990310_04.9819.C26.o1.np	Method	AAT/NAP
Start	2072	End	4017
GI	6440857	Score	548
Exons	2072..2233, 3027..3408, 3990..4017		

GI Descrip. (AU066528) 40S ribosomal protein S9 [Chlamydomonas sp.]

Seq. No.	10117	Seq. ID	OJ990310_04.9819.C26
Gene No.	21522	Strand	-
Start	2057	End	4097
Name	OJ990310_04.9819.C26.o1.gp	Method	AAT/GAP
Start	3044	End	4097
GI	16929_1.R1084	Score	868
Exons	3044..3408, 3990..4097		
GI Descrip.	'4506745/ref|NP_001004.1|pRPS9| 5.0e-35 ribosomal protein S9 >gi_1173285_sp_P46781_RS9_HUMAN 40S RIBOSOMAL PROTEIN S9 >gi_1362936_pir__S55917 ribosomal protein S9 - human >gi_550023 (U14971) ribosomal protein S9 [Homo sapiens] >gi_1096943_prf__2113200F ribosomal protein S9 [Homo sapiens]'		

Seq. No.	10117	Seq. ID	OJ990310_04.9819.C26
Gene No.	21523	Strand	-
Start	4460	End	6749
Name	OJ990310_04.9819.C26.o2.np	Method	AAT/NAP
Start	4460	End	6749
GI	5758910	Score	195
Exons	4460..4856, 6724..6749		
GI Descrip.	(AF168942) ATP synthase beta subunit [Ruscus aculeatus]		

Seq. No.	10117	Seq. ID	OJ990310_04.9819.C26
Gene No.	21524	Strand	-
Start	8137	End	9681
Name	OJ990310_04.9819.C26.o4.gs	Method	GENSCAN
Start	8137	End	9681
GI	none	Score	.79
Exons	8137..8577, 8733..8890, 9062..9180, 9611..9681		

Seq. No.	10117	Seq. ID	OJ990310_04.9819.C26
Gene No.	21524	Strand	-
Start	8137	End	9681
Name	OJ990310_04.9819.C26.o2.gp	Method	AAT/GAP
Start	9062	End	9180
GI	2311243	Score	190
Exons	9062..9180		

Seq. No.	10117	Seq. ID	OJ990310_04.9819.C26
Gene No.	21525	Strand	-
Start	9598	End	9938
Name	OJ990310_04.9819.C26.o3.gp	Method	AAT/GAP
Start	9598	End	9938
GI	2311243	Score	350
Exons	9598..9716, 9836..9938		

Seq. No.	10117	Seq. ID	OJ990310_04.9819.C26
Gene No.	21526	Strand	-
Start	13206	End	15930
Name	OJ990310_04.9819.C26.o3.np	Method	AAT/NAP
Start	13206	End	15930
GI	6752888	Score	2158
Exons	13206..13428, 13516..13593, 14050..14439, 14569..14863, 14953..15163, 15289..15930		
GI Descrip.	(AF220204) unknown [Malus domestica]		

Seq. No.	10117	Seq. ID	OJ990310_04.9819.C26
Gene No.	21526	Strand	-
Start	13206	End	15930
Name	OJ990310_04.9819.C26.o5.gs	Method	GENSCAN
Start	13206	End	15927
GI	none	Score	.79
Exons	13206..13428, 13516..13593, 14050..14481, 14569..14863, 14953..15163, 15289..15927		

Seq. No.	10117	Seq. ID	OJ990310_04.9819.C26
Gene No.	21527	Strand	-
Start	19279	End	20671
Name	OJ990310_04.9819.C26.o7.gs	Method	GENSCAN
Start	19279	End	20671
GI	none	Score	.76
Exons	19279..19465, 20616..20671		

Seq. No.	10117	Seq. ID	OJ990310_04.9819.C26
Gene No.	21528	Strand	-
Start	22036	End	25435
Name	OJ990310_04.9819.C26.o2.tm	Method	TBLASTX:Maize
Start	2099	End	3418
GI	none	Score	35
Exons	2099..2125, 2105..2182, 2115..2186, 2119..2148, 2146..2190, 2185..2235, 2186..2236, 2192..2236, 3005..3388, 3011..3418		

Seq. No.	10117	Seq. ID	OJ990310_04.9819.C26
Gene No.	21528	Strand	-
Start	22036	End	25435
Name	OJ990310_04.9819.C26.o2.ts	Method	TBLASTX:Soybean
Start	2103	End	3418
GI	none	Score	56
Exons	2103..2180, 2118..2147, 2185..2235, 2186..2236, 3005..3382, 3011..3418		

Seq. No.	10117	Seq. ID	OJ990310_04.9819.C26
Gene No.	21528	Strand	-
Start	22036	End	25435
Name	OJ990310_04.9819.C26.o2.tc	Method	TBLASTX:Cress
Start	2118	End	3418
GI	none	Score	54
Exons	2118..2147, 2130..2180, 2185..2235, 2186..2236, 3002..3388, 3011..3418		

Seq. No.	10117	Seq. ID	OJ990310_04.9819.C26
Gene No.	21528	Strand	-
Start	22036	End	25435
Name	OJ990310_04.9819.C26.o1.tw	Method	TBLASTX:Wheat
Start	2185	End	3418
GI	none	Score	65
Exons	2185..2235, 2186..2236, 3011..3418, 3021..3146, 3029..3391, 3207..3407		

Seq. No.	10117	Seq. ID	OJ990310_04.9819.C26
Gene No.	21528	Strand	-
Start	22036	End	25435

Name	OJ990310_04.9819.C26.o4.tc	Method	TBLASTX:Cress
Start	4430	End	4774
GI	none	Score	165
Exons	4430..4639, 4459..4644, 4628..4771, 4666..4773, 4667..4774		

Seq. No.	10117	Seq. ID	OJ990310_04.9819.C26
Gene No.	21528	Strand	-
Start	22036	End	25435
Name	OJ990310_04.9819.C26.o7.tm	Method	TBLASTX:Maize
Start	4455	End	4774
GI	none	Score	118
Exons	4455..4610, 4456..4632, 4458..4631, 4460..4639, 4628..4771, 4638..4772, 4667..4774		

Seq. No.	10117	Seq. ID	OJ990310_04.9819.C26
Gene No.	21528	Strand	-
Start	22036	End	25435
Name	OJ990310_04.9819.C26.o3.ts	Method	TBLASTX:Soybean
Start	4456	End	4774
GI	none	Score	143
Exons	4456..4632, 4459..4644, 4460..4639, 4637..4771, 4638..4772, 4666..4773, 4667..4774		

Seq. No.	10117	Seq. ID	OJ990310_04.9819.C26
Gene No.	21528	Strand	-
Start	22036	End	25435
Name	OJ990310_04.9819.C26.o4.tm	Method	TBLASTX:Maize
Start	5455	End	7049
GI	none	Score	39
Exons	5455..5487, 5578..5685, 5580..5678, 5709..5738, 5710..5751, 5833..5985, 5835..5894, 7011..7049		

Seq. No.	10117	Seq. ID	OJ990310_04.9819.C26
Gene No.	21528	Strand	-
Start	22036	End	25435
Name	OJ990310_04.9819.C26.o6.tm	Method	TBLASTX:Maize
Start	7137	End	7490
GI	none	Score	75
Exons	7137..7229, 7143..7202, 7272..7316, 7279..7317, 7279..7317, 7317..7487, 7318..7488, 7319..7489, 7320..7490		

Seq. No.	10117	Seq. ID	OJ990310_04.9819.C26
Gene No.	21528	Strand	-
Start	22036	End	25435
Name	OJ990310_04.9819.C26.o5.tw	Method	TBLASTX:Wheat
Start	8305	End	8856
GI	none	Score	48
Exons	8305..8376, 8316..8375, 8348..8398, 8381..8437, 8390..8422, 8444..8575, 8445..8570, 8446..8577, 8447..8578, 8714..8824, 8725..8844, 8727..8789, 8732..8800, 8740..8823, 8821..8856, 8829..8855		

Seq. No.	10117	Seq. ID	OJ990310_04.9819.C26
Gene No.	21528	Strand	-
Start	22036	End	25435
Name	OJ990310_04.9819.C26.o3.tm	Method	TBLASTX:Maize
Start	13167	End	14093

GI	none	Score	295
Exons	13167..13460, 13170..13457, 13560..13598, 13560..13592, 14049..14093		

Seq. No.	10117	Seq. ID	OJ990310_04.9819.C26
Gene No.	21528	Strand	-
Start	22036	End	25435
Name	OJ990310_04.9819.C26.o1.ts	Method	TBLASTX:Soybean
Start	13204	End	15873
GI	none	Score	103
Exons	13204..13371, 13211..13351, 13212..13457, 13227..13400, 13513..13593, 13515..13598, 13515..13592, 13525..13593, 14037..14093, 14049..14102, 14100..14438, 14107..14217, 14111..14284, 14121..14441, 14613..14870, 14623..14871, 14954..15163, 14955..15164, 14955..15164, 15281..15679, 15286..15696, 15289..15693, 15730..15792, 15784..15873, 15788..15871		

Seq. No.	10117	Seq. ID	OJ990310_04.9819.C26
Gene No.	21528	Strand	-
Start	22036	End	25435
Name	OJ990310_04.9819.C26.o3.tc	Method	TBLASTX:Cress
Start	13227	End	14102
GI	none	Score	127
Exons	13227..13448, 13228..13431, 13503..13598, 13518..13592, 14049..14102		

Seq. No.	10117	Seq. ID	OJ990310_04.9819.C26
Gene No.	21528	Strand	-
Start	22036	End	25435
Name	OJ990310_04.9819.C26.o3.tw	Method	TBLASTX:Wheat
Start	13362	End	14372
GI	none	Score	57
Exons	13362..13448, 13513..13593, 13515..13592, 14044..14220, 14049..14372, 14269..14361		

Seq. No.	10117	Seq. ID	OJ990310_04.9819.C26
Gene No.	21528	Strand	-
Start	22036	End	25435
Name	OJ990310_04.9819.C26.o1.tc	Method	TBLASTX:Cress
Start	14166	End	15873
GI	none	Score	150
Exons	14166..14378, 14166..14438, 14173..14439, 14418..14441, 14568..14864, 14568..14873, 14611..14874, 14937..15164, 14950..15186, 14950..15117, 14954..15163, 15281..15694, 15286..15738, 15289..15696, 15552..15725, 15730..15792, 15786..15860, 15796..15873, 15797..15871		

Seq. No.	10117	Seq. ID	OJ990310_04.9819.C26
Gene No.	21528	Strand	-
Start	22036	End	25435
Name	OJ990310_04.9819.C26.o1.tm	Method	TBLASTX:Maize
Start	14172	End	15394
GI	none	Score	54
Exons	14172..14438, 14173..14220, 14269..14439, 14560..14862, 14566..14874, 14568..14873, 14947..15030, 14954..15163, 14955..15164, 15281..15337, 15286..15339, 15338..15394,		

15340..15393

Seq. No.	10117	Seq. ID	OJ990310_04.9819.C26
Gene No.	21528	Strand	-
Start	22036	End	25435
Name	OJ990310_04.9819.C26.o4.tw	Method	TBLASTX:Wheat
Start	14373	End	14874
GI	none	Score	70
Exons	14373..14483, 14374..14439, 14560..14862, 14561..14863, 14566..14874, 14568..14873		

Seq. No.	10117	Seq. ID	OJ990310_04.9819.C26
Gene No.	21528	Strand	-
Start	22036	End	25435
Name	OJ990310_04.9819.C26.o2.tw	Method	TBLASTX:Wheat
Start	14994	End	15498
GI	none	Score	148
Exons	14994..15164, 14996..15163, 15010..15177, 15054..15164, 15281..15469, 15286..15498, 15289..15498		

Seq. No.	10117	Seq. ID	OJ990310_04.9819.C26
Gene No.	21528	Strand	-
Start	22036	End	25435
Name	OJ990310_04.9819.C26.o5.tm	Method	TBLASTX:Maize
Start	15553	End	15873
GI	none	Score	105
Exons	15553..15663, 15553..15873, 15737..15868		

Seq. No.	10117	Seq. ID	OJ990310_04.9819.C26
Gene No.	21528	Strand	-
Start	22036	End	25435
Name	OJ990310_04.9819.C26.o9.gs	Method	GENSCAN
Start	22036	End	25435
GI	none	Score	.46
Exons	22036..22206, 24527..24674, 25339..25435		

Seq. No.	10118	Seq. ID	OJ990310_04.9819.C27
Gene No.	21529	Strand	+
Start	24	End	155
Name	OJ990310_04.9819.C27.o1.gs	Method	GENSCAN
Start	24	End	155
GI	none	Score	.89
Exons	24..155		

Seq. No.	10118	Seq. ID	OJ990310_04.9819.C27
Gene No.	21530	Strand	-
Start	1	End	2935
Name	OJ990310_04.9819.C27.o1.np	Method	AAT/NAP
Start	1	End	2935
GI	5091513	Score	935
Exons	1..39, 1361..1670, 1822..1898, 2411..2935		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	10118	Seq. ID	OJ990310_04.9819.C27
Gene No.	21530	Strand	-
Start	1	End	2935
Name	OJ990310_04.9819.C27.o2.gs	Method	GENSCAN

Start	1344	End	2859
GI	none	Score	.5
Exons	1344..1713, 2296..2687, 2710..2859		

Seq. No.	10119	Seq. ID	OJ990310_04.9819.C28
Gene No.	21531	Strand	+
Start	574	End	1346
Name	OJ990310_04.9819.C28.o1.gs	Method	GENSCAN
Start	574	End	1346
GI	none	Score	.59
Exons	574..670, 785..1036, 1330..1346		

Seq. No.	10119	Seq. ID	OJ990310_04.9819.C28
Gene No.	21532	Strand	+
Start	1733	End	6177
Name	OJ990310_04.9819.C28.o2.gs	Method	GENSCAN
Start	1733	End	5784
GI	none	Score	.5
Exons	1733..1846, 3146..3274, 3384..3497, 4659..4794, 5333..5784		

Seq. No.	10119	Seq. ID	OJ990310_04.9819.C28
Gene No.	21532	Strand	+
Start	1733	End	6177
Name	OJ990310_04.9819.C28.o1.np	Method	AAT/NAP
Start	5036	End	6177
GI	6907086	Score	967
Exons	5036..5812, 5926..6177		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	10119	Seq. ID	OJ990310_04.9819.C28
Gene No.	21533	Strand	-
Start	3089	End	3601
Name	OJ990310_04.9819.C28.o1.gp	Method	AAT/GAP
Start	3089	End	3601
GI	38782_1.R1084	Score	826
Exons	3089..3601		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	10120	Seq. ID	OJ990310_04.9819.C31
Gene No.	21534	Strand	+
Start	391	End	1998
Name	OJ990310_04.9819.C31.o1.gs	Method	GENSCAN
Start	391	End	1660
GI	none	Score	.81
Exons	391..529, 1131..1234, 1309..1407, 1478..1660		

Seq. No.	10120	Seq. ID	OJ990310_04.9819.C31
Gene No.	21534	Strand	+
Start	391	End	1998
Name	OJ990310_04.9819.C31.o1.np	Method	AAT/NAP
Start	860	End	1998
GI	6815062	Score	320
Exons	860..1110, 1969..1998		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	10121	Seq. ID	OJ990310_04.9819.C32
Gene No.	21535	Strand	+
Start	20	End	1314
Name	OJ990310_04.9819.C32.o1.gs	Method	GENSCAN
Start	20	End	1047
GI	none	Score	.79
Exons	20..93, 123..159, 274..412, 959..1047		

Seq. No.	10121	Seq. ID	OJ990310_04.9819.C32
Gene No.	21535	Strand	+
Start	20	End	1314
Name	OJ990310_04.9819.C32.o1.np	Method	AAT/NAP
Start	550	End	1314
GI	4680183	Score	193
Exons	550..620, 1225..1314		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	10122	Seq. ID	OJ990310_04.9819.C33
Gene No.	21536	Strand	+
Start	258	End	386
Name	OJ990310_04.9819.C33.o1.gs	Method	GENSCAN
Start	258	End	386
GI	none	Score	.77
Exons	258..386		

Seq. No.	10123	Seq. ID	OJ990310_04.9819.C36
Gene No.	21537	Strand	+
Start	458	End	688
Name	OJ990310_04.9819.C36.o1.gs	Method	GENSCAN
Start	458	End	688
GI	none	Score	.81
Exons	458..688		

Seq. No.	10124	Seq. ID	OJ990310_04.9819.C37
Gene No.	21538	Strand	
Start	173	End	308
Name	OJ990310_04.9819.C37.o1.tm	Method	TBLASTX:Maize
Start	173	End	308
GI	none	Score	152
Exons	173..307, 174..308		

Seq. No.	10125	Seq. ID	OJ990310_04.9819.C38
Gene No.	21539	Strand	+
Start	240	End	428
Name	OJ990310_04.9819.C38.o1.gs	Method	GENSCAN
Start	240	End	428
GI	none	Score	.94
Exons	240..428		

Seq. No.	10126	Seq. ID	OJ990330_05.9819.C1
Gene No.	21540	Strand	-
Start	191	End	949
Name	OJ990330_05.9819.C1.o1.gs	Method	GENSCAN
Start	191	End	808
GI	none	Score	.82
Exons	191..808		

Seq. No.	10126	Seq. ID	OJ990330_05.9819.C1
Gene No.	21540	Strand	-
Start	191	End	949
Name	OJ990330_05.9819.C1.o1.np	Method	AAT/NAP
Start	200	End	949
GI	4049346	Score	63
Exons	200..381, 896..949		
GI Descrip.	(AL034567) putative protein [Arabidopsis thaliana]		

Seq. No.	10127	Seq. ID	OJ990330_05.9819.C2
Gene No.	21541	Strand	+
Start	1509	End	1634
Name	OJ990330_05.9819.C2.o1.gs	Method	GENSCAN
Start	1509	End	1634
GI	none	Score	.57
Exons	1509..1634		

Seq. No.	10128	Seq. ID	OJ990330_05.9819.C3
Gene No.	21542	Strand	+
Start	425	End	2580
Name	OJ990330_05.9819.C3.o1.np	Method	AAT/NAP
Start	425	End	2580
GI	4966352	Score	161
Exons	425..496, 622..906, 2553..2580		
GI Descrip.	(AC006341) >F3O9.11 [Arabidopsis thaliana]		

Seq. No.	10128	Seq. ID	OJ990330_05.9819.C3
Gene No.	21543	Strand	-
Start	1244	End	1469
Name	OJ990330_05.9819.C3.o1.gp	Method	AAT/GAP
Start	1244	End	1469
GI	2312838	Score	80
Exons	1244..1265, 1408..1469		
GI Descrip.	1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	10128	Seq. ID	OJ990330_05.9819.C3
Gene No.	21544	Strand	-
Start	2331	End	2501
Name	OJ990330_05.9819.C3.o1.gs	Method	GENSCAN
Start	2331	End	2501
GI	none	Score	.44
Exons	2331..2501		

Seq. No.	10129	Seq. ID	OJ990330_05.9819.C4
Gene No.	21545	Strand	+
Start	1	End	458
Name	OJ990330_05.9819.C4.o1.np	Method	AAT/NAP
Start	1	End	458
GI	6523547	Score	57
Exons	1..48, 169..458		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	10129	Seq. ID	OJ990330_05.9819.C4
Gene No.	21546	Strand	+

Start	512	End	742
Name	OJ990330_05.9819.C4.o1.gs	Method	GENSCAN
Start	512	End	716
GI	none	Score	.54
Exons	512..716		

Seq. No.	10129	Seq. ID	OJ990330_05.9819.C4
Gene No.	21546	Strand	+
Start	512	End	742
Name	OJ990330_05.9819.C4.o2.np	Method	AAT/NAP
Start	512	End	742
GI	1514643	Score	119
Exons	512..742		
GI Descrip.	(Z70524) PDR5-like ABC transporter [Spirodela polyrrhiza]		

Seq. No.	10130	Seq. ID	OJ990330_05.9819.C5
Gene No.	21547	Strand	+
Start	589	End	804
Name	OJ990330_05.9819.C5.o1.gs	Method	GENSCAN
Start	589	End	804
GI	none	Score	.66
Exons	589..660, 754..804		

Seq. No.	10131	Seq. ID	OJ990330_05.9819.C6
Gene No.	21548	Strand	-
Start	1023	End	2867
Name	OJ990330_05.9819.C6.o1.gp	Method	AAT/GAP
Start	1023	End	1706
GI	10291_1.R1084	Score	1159
Exons	1023..1455, 1533..1706		
GI Descrip.	'1514643/emb|CAA94437| 9.0e-51 (Z70524) PDR5-like ABC transporter [Spirodela polyrrhiza]'		

Seq. No.	10131	Seq. ID	OJ990330_05.9819.C6
Gene No.	21548	Strand	-
Start	1023	End	2867
Name	OJ990330_05.9819.C6.o1.ts	Method	TBLASTX:Soybean
Start	1266	End	1643
GI	none	Score	216
Exons	1266..1454, 1276..1446, 1284..1463, 1406..1456, 1530..1634, 1532..1642, 1533..1643		

Seq. No.	10131	Seq. ID	OJ990330_05.9819.C6
Gene No.	21548	Strand	-
Start	1023	End	2867
Name	OJ990330_05.9819.C6.o1.gs	Method	GENSCAN
Start	1287	End	1703
GI	none	Score	.77
Exons	1287..1455, 1533..1703		

Seq. No.	10131	Seq. ID	OJ990330_05.9819.C6
Gene No.	21548	Strand	-
Start	1023	End	2867
Name	OJ990330_05.9819.C6.o1.tm	Method	TBLASTX:Maize
Start	1287	End	1707
GI	none	Score	243
Exons	1287..1454, 1291..1455, 1293..1463, 1532..1705, 1533..1706,		

1597..1707

Seq. No.	10131	Seq. ID	OJ990330_05.9819.C6
Gene No.	21548	Strand	-
Start	1023	End	2867
Name	OJ990330_05.9819.C6.o1.np	Method	AAT/NAP
Start	1293	End	2867
GI	4874301	Score	438
Exons	1293..1455, 1533..1716, 2800..2867		
GI Descrip.	(AC006053) putative vacuolar ATP synthase proteolipid subunit [Arabidopsis thaliana]		

Seq. No.	10131	Seq. ID	OJ990330_05.9819.C6
Gene No.	21548	Strand	-
Start	1023	End	2867
Name	OJ990330_05.9819.C6.o1.tc	Method	TBLASTX:Cress
Start	1293	End	1711
GI	none	Score	205
Exons	1293..1454, 1294..1449, 1302..1460, 1406..1459, 1530..1706, 1532..1705, 1532..1711, 1533..1706		

Seq. No.	10132	Seq. ID	OJ990330_05.9819.C7
Gene No.	21549	Strand	-
Start	1	End	1165
Name	OJ990330_05.9819.C7.o1.np	Method	AAT/NAP
Start	1	End	1020
GI	4874301	Score	202
Exons	1..121, 708..785, 899..1020		
GI Descrip.	(AC006053) putative vacuolar ATP synthase proteolipid subunit [Arabidopsis thaliana]		

Seq. No.	10132	Seq. ID	OJ990330_05.9819.C7
Gene No.	21549	Strand	-
Start	1	End	1165
Name	OJ990330_05.9819.C7.o1.gs	Method	GENSCAN
Start	308	End	1011
GI	none	Score	.97
Exons	308..425, 708..785, 899..1011		

Seq. No.	10132	Seq. ID	OJ990330_05.9819.C7
Gene No.	21549	Strand	-
Start	1	End	1165
Name	OJ990330_05.9819.C7.o1.ts	Method	TBLASTX:Soybean
Start	705	End	1018
GI	none	Score	109
Exons	705..809, 707..808, 898..1011, 899..1018		

Seq. No.	10132	Seq. ID	OJ990330_05.9819.C7
Gene No.	21549	Strand	-
Start	1	End	1165
Name	OJ990330_05.9819.C7.o1.gp	Method	AAT/GAP
Start	708	End	1165
GI	10291_1.R1084	Score	631
Exons	708..785, 899..1165		
GI Descrip.	'1514643/emb|CAA94437| 9.0e-51 (Z70524) PDR5-like ABC transporter [Spirodela polyrrhiza]'		

Seq. No.	10132	Seq. ID	OJ990330_05.9819.C7
Gene No.	21549	Strand	-
Start	1	End	1165
Name	OJ990330_05.9819.C7.o1.tm	Method	TBLASTX:Maize
Start	708	End	1018
GI	none	Score	130
Exons	708..809, 708..785, 710..808,	898..1011,	902..1018

Seq. No.	10132	Seq. ID	OJ990330_05.9819.C7
Gene No.	21549	Strand	-
Start	1	End	1165
Name	OJ990330_05.9819.C7.o1.tw	Method	TBLASTX:Wheat
Start	708	End	1009
GI	none	Score	127
Exons	708..809, 711..809, 898..1008,	902..1009	

Seq. No.	10132	Seq. ID	OJ990330_05.9819.C7
Gene No.	21549	Strand	-
Start	1	End	1165
Name	OJ990330_05.9819.C7.o1.tc	Method	TBLASTX:Cress
Start	708	End	999
GI	none	Score	106
Exons	708..809, 710..808, 898..999,	899..994	

Seq. No.	10133	Seq. ID	OJ990330_05.9819.C8
Gene No.	21550	Strand	+
Start	112	End	1469
Name	OJ990330_05.9819.C8.o1.gs	Method	GENSCAN
Start	112	End	1469
GI	none	Score	.89
Exons	112..204, 1265..1469		

Seq. No.	10133	Seq. ID	OJ990330_05.9819.C8
Gene No.	21551	Strand	-
Start	1	End	559
Name	OJ990330_05.9819.C8.o1.gp	Method	AAT/GAP
Start	1	End	559
GI	5424_1.R1084	Score	1017
Exons	1..559		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	10134	Seq. ID	OJ990330_05.9819.C9
Gene No.	21552	Strand	-
Start	2895	End	3499
Name	OJ990330_05.9819.C9.o2.gs	Method	GENSCAN
Start	2895	End	3499
GI	none	Score	.74
Exons	2895..3103, 3427..3499		

Seq. No.	10135	Seq. ID	OJ990330_05.9819.C10
Gene No.	21553	Strand	+
Start	280	End	392
Name	OJ990330_05.9819.C10.o1.gs	Method	GENSCAN
Start	280	End	392
GI	none	Score	.84
Exons	280..392		

Seq. No.	10135	Seq. ID	OJ990330_05.9819.C10
Gene No.	21554	Strand	+
Start	3038	End	5066
Name	OJ990330_05.9819.C10.o2.gs	Method	GENSCAN
Start	3038	End	4826
GI	none	Score	.42
Exons	3038..3190, 4248..4372, 4460..4826		

Seq. No.	10135	Seq. ID	OJ990330_05.9819.C10
Gene No.	21554	Strand	+
Start	3038	End	5066
Name	OJ990330_05.9819.C10.o1.np	Method	AAT/NAP
Start	4347	End	5066
GI	1514643	Score	309
Exons	4347..4808, 5022..5066		
GI Descrip.	(Z70524) PDR5-like ABC transporter [Spirodela polyrrhiza]		

Seq. No.	10135	Seq. ID	OJ990330_05.9819.C10
Gene No.	21554	Strand	+
Start	3038	End	5066
Name	OJ990330_05.9819.C10.o1.ts	Method	TBLASTX:Soybean
Start	4388	End	4823
GI	none	Score	44
Exons	4388..4453, 4491..4553, 4587..4823, 4721..4819		

Seq. No.	10136	Seq. ID	OJ990330_05.9819.C11
Gene No.	21555	Strand	+
Start	1	End	3079
Name	OJ990330_05.9819.C11.o1.np	Method	AAT/NAP
Start	1	End	3079
GI	1514643	Score	1613
Exons	1..48, 893..967, 1082..1331, 1433..1509, 1675..1728, 1837..1927, 2002..2303, 2399..2680, 2765..3079		
GI Descrip.	(Z70524) PDR5-like ABC transporter [Spirodela polyrrhiza]		

Seq. No.	10136	Seq. ID	OJ990330_05.9819.C11
Gene No.	21555	Strand	+
Start	1	End	3079
Name	OJ990330_05.9819.C11.o1.gs	Method	GENSCAN
Start	884	End	2680
GI	none	Score	.83
Exons	884..972, 1087..1331, 1433..1509, 1675..1728, 1837..1927, 2002..2303, 2399..2680		

Seq. No.	10136	Seq. ID	OJ990330_05.9819.C11
Gene No.	21555	Strand	+
Start	1	End	3079
Name	OJ990330_05.9819.C11.o1.tm	Method	TBLASTX:Maize
Start	1834	End	2222
GI	none	Score	146
Exons	1834..1929, 1834..1929, 1836..1934, 1997..2221, 1998..2222, 2001..2222		

Seq. No.	10136	Seq. ID	OJ990330_05.9819.C11
Gene No.	21555	Strand	+
Start	1	End	3079

Name	OJ990330_05.9819.C11.o1.ts	Method	TBLASTX:Soybean
Start	2039	End	2500
GI	none	Score	382
Exons	2039..2305, 2043..2306, 2384..2500, 2398..2499		

Seq. No.	10136	Seq. ID	OJ990330_05.9819.C11
Gene No.	21555	Strand	+
Start	1	End	3079
Name	OJ990330_05.9819.C11.o1.tc	Method	TBLASTX:Cress
Start	2123	End	2524
GI	none	Score	253
Exons	2123..2305, 2124..2306, 2384..2524, 2386..2505		

Seq. No.	10136	Seq. ID	OJ990330_05.9819.C11
Gene No.	21555	Strand	+
Start	1	End	3079
Name	OJ990330_05.9819.C11.o2.tc	Method	TBLASTX:Cress
Start	2624	End	3019
GI	none	Score	68
Exons	2624..2683, 2831..2956, 2840..3019, 2848..2961		

Seq. No.	10136	Seq. ID	OJ990330_05.9819.C11
Gene No.	21555	Strand	+
Start	1	End	3079
Name	OJ990330_05.9819.C11.o2.ts	Method	TBLASTX:Soybean
Start	2876	End	3022
GI	none	Score	193
Exons	2876..3022, 2876..2974, 2878..3009		

Seq. No.	10136	Seq. ID	OJ990330_05.9819.C11
Gene No.	21555	Strand	+
Start	1	End	3079
Name	OJ990330_05.9819.C11.o1.tw	Method	TBLASTX:Wheat
Start	2906	End	3022
GI	none	Score	190
Exons	2906..3022, 2911..3012		

Seq. No.	10137	Seq. ID	OJ990330_05.9819.C12
Gene No.	21556	Strand	+
Start	1	End	1614
Name	OJ990330_05.9819.C12.o1.np	Method	AAT/NAP
Start	1	End	1614
GI	1514643	Score	1415
Exons	1..367, 464..754, 843..926, 1030..1163, 1265..1492, 1576..1614		
GI Descrip.	(Z70524) PDR5-like ABC transporter [Spirodela polyrrhiza]		

Seq. No.	10137	Seq. ID	OJ990330_05.9819.C12
Gene No.	21556	Strand	+
Start	1	End	1614
Name	OJ990330_05.9819.C12.o1.ts	Method	TBLASTX:Soybean
Start	7	End	1490
GI	none	Score	235
Exons	7..366, 18..368, 31..366, 32..370, 32..370, 461..757, 461..523, 463..657, 596..754, 840..926, 842..931, 1021..1164, 1038..1160, 1055..1168, 1260..1490, 1298..1489		

Seq. No.	10137	Seq. ID	OJ990330_05.9819.C12

Gene No.	21556	Strand	+
Start	1	End	1614
Name	OJ990330_05.9819.C12.o1.tc	Method	TBLASTX:Cress
Start	10	End	664
GI	none	Score	134
Exons	10..339, 34..360, 38..364, 463..657, 464..658, 596..664		

Seq. No.	10137	Seq. ID	OJ990330_05.9819.C12
Gene No.	21556	Strand	+
Start	1	End	1614
Name	OJ990330_05.9819.C12.o2.tm	Method	TBLASTX:Maize
Start	11	End	570
GI	none	Score	434
Exons	11..370, 34..366, 461..568, 463..570		

Seq. No.	10137	Seq. ID	OJ990330_05.9819.C12
Gene No.	21556	Strand	+
Start	1	End	1614
Name	OJ990330_05.9819.C12.o1.gs	Method	GENSCAN
Start	38	End	1492
GI	none	Score	.71
Exons	38..367, 464..754, 843..926, 1030..1163, 1265..1492		

Seq. No.	10137	Seq. ID	OJ990330_05.9819.C12
Gene No.	21556	Strand	+
Start	1	End	1614
Name	OJ990330_05.9819.C12.o1.tm	Method	TBLASTX:Maize
Start	601	End	1502
GI	none	Score	152
Exons	601..657, 602..757, 605..754, 840..926, 842..925, 1021..1164, 1038..1157, 1260..1502, 1266..1373, 1298..1501		

Seq. No.	10137	Seq. ID	OJ990330_05.9819.C12
Gene No.	21556	Strand	+
Start	1	End	1614
Name	OJ990330_05.9819.C12.o1.tw	Method	TBLASTX:Wheat
Start	626	End	1507
GI	none	Score	111
Exons	626..757, 626..754, 840..926, 854..931, 1021..1164, 1032..1160, 1260..1487, 1298..1507		

Seq. No.	10137	Seq. ID	OJ990330_05.9819.C12
Gene No.	21556	Strand	+
Start	1	End	1614
Name	OJ990330_05.9819.C12.o2.tc	Method	TBLASTX:Cress
Start	665	End	1492
GI	none	Score	89
Exons	665..751, 706..759, 707..757, 840..926, 851..925, 1021..1164, 1038..1157, 1263..1484, 1298..1492		

Seq. No.	10137	Seq. ID	OJ990330_05.9819.C12
Gene No.	21556	Strand	+
Start	1	End	1614
Name	OJ990330_05.9819.C12.o1.gp	Method	AAT/GAP
Start	1368	End	1614
GI	96732_1.R1084	Score	296
Exons	1368..1492, 1576..1614		

GI Descrip. '1514643/emb|CAA94437| 2.0e-43 (Z70524) PDR5-like ABC transporter [Spirodela polyrrhiza]'

Seq. No.	10138	Seq. ID	OJ990330_05.9819.C13
Gene No.	21557	Strand	+
Start	1	End	4905
Name	OJ990330_05.9819.C13.o1.np	Method	AAT/NAP
Start	1	End	4902
GI	1514643	Score	2576
Exons	1..105, 192..457, 712..956, 1056..1388, 1711..2001, 2196..2279, 2367..2500, 3616..3843, 3929..4100, 4295..4549, 4645..4902		
GI Descrip.	(Z70524) PDR5-like ABC transporter [Spirodela polyrrhiza]		

Seq. No.	10138	Seq. ID	OJ990330_05.9819.C13
Gene No.	21557	Strand	+
Start	1	End	4905
Name	OJ990330_05.9819.C13.o1.gs	Method	GENSCAN
Start	30	End	4905
GI	none	Score	.82
Exons	30..105, 158..457, 511..582, 712..956, 1056..1388, 1711..2001, 2196..2279, 2367..2500, 3616..3843, 3929..4100, 4295..4549, 4645..4905		

Seq. No.	10138	Seq. ID	OJ990330_05.9819.C13
Gene No.	21558	Strand	-
Start	4669	End	5183
Name	OJ990330_05.9819.C13.o1.gp	Method	AAT/GAP
Start	4669	End	5183
GI	none	Score	1026
Exons	4669..5183		

Seq. No.	10138	Seq. ID	OJ990330_05.9819.C13
Gene No.	21559	Strand	-
Start	5741	End	6265
Name	OJ990330_05.9819.C13.o1.ts	Method	TBLASTX:Soybean
Start	27	End	4812
GI	none	Score	74
Exons	27..98, 30..95, 197..229, 206..229, 232..306, 312..470, 313..453, 762..956, 880..957, 881..961, 884..964, 1052..1387, 1053..1391, 1053..1322, 1055..1387, 1216..1422, 1708..2004, 1710..2003, 2186..2278, 2195..2278, 2205..2279, 2349..2501, 2393..2491, 3610..3828, 3611..3841, 3611..3757, 3613..3840, 3937..4101, 3941..4102, 3941..4108, 3942..4109, 4294..4530, 4295..4387, 4442..4549, 4641..4733, 4645..4755, 4645..4731, 4647..4784, 4753..4812		

Seq. No.	10138	Seq. ID	OJ990330_05.9819.C13
Gene No.	21559	Strand	-
Start	5741	End	6265
Name	OJ990330_05.9819.C13.o3.tw	Method	TBLASTX:Wheat
Start	27	End	4737
GI	none	Score	52
Exons	27..104, 167..226, 4373..4552, 4381..4548, 4647..4733, 4648..4731, 4651..4737		

Seq. No.	10138	Seq. ID	OJ990330_05.9819.C13
Gene No.	21559	Strand	-

Start	5741	End	6265
Name	OJ990330_05.9819.C13.o2.tc	Method	TBLASTX:Cress
Start	167	End	4810
GI	none	Score	70
Exons	167..229, 1911..2006, 1912..2010, 1949..2017, 2205..2279, 2376..2501, 3611..3838, 3619..3693, 3721..3843, 3924..4103, 3941..4090, 4265..4525, 4273..4548, 4295..4387, 4442..4549, 4602..4724, 4627..4737, 4646..4810, 4647..4730		

Seq. No.	10138	Seq. ID	OJ990330_05.9819.C13
Gene No.	21559	Strand	-
Start	5741	End	6265
Name	OJ990330_05.9819.C13.o1.tc	Method	TBLASTX:Cress
Start	846	End	1911
GI	none	Score	100
Exons	846..953, 884..1003, 1055..1369, 1056..1385, 1711..1911, 1752..1910		

Seq. No.	10138	Seq. ID	OJ990330_05.9819.C13
Gene No.	21559	Strand	-
Start	5741	End	6265
Name	OJ990330_05.9819.C13.o1.tm	Method	TBLASTX:Maize
Start	879	End	1394
GI	none	Score	92
Exons	879..953, 1055..1393, 1056..1394		

Seq. No.	10138	Seq. ID	OJ990330_05.9819.C13
Gene No.	21559	Strand	-
Start	5741	End	6265
Name	OJ990330_05.9819.C13.o3.tm	Method	TBLASTX:Maize
Start	1714	End	1953
GI	none	Score	361
Exons	1714..1953, 1752..1952		

Seq. No.	10138	Seq. ID	OJ990330_05.9819.C13
Gene No.	21559	Strand	-
Start	5741	End	6265
Name	OJ990330_05.9819.C13.o2.tw	Method	TBLASTX:Wheat
Start	1872	End	3790
GI	none	Score	107
Exons	1872..2000, 1872..2000, 1873..2004, 2205..2279, 2207..2278, 2349..2501, 2402..2428, 3611..3790, 3613..3789		

Seq. No.	10138	Seq. ID	OJ990330_05.9819.C13
Gene No.	21559	Strand	-
Start	5741	End	6265
Name	OJ990330_05.9819.C13.o4.tm	Method	TBLASTX:Maize
Start	1954	End	3851
GI	none	Score	89
Exons	1954..2004, 1955..1999, 1963..2001, 2186..2278, 2193..2279, 2205..2279, 2349..2501, 2379..2501, 2380..2502, 3611..3847, 3616..3846, 3617..3847, 3618..3851, 3657..3851		

Seq. No.	10138	Seq. ID	OJ990330_05.9819.C13
Gene No.	21559	Strand	-
Start	5741	End	6265
Name	OJ990330_05.9819.C13.o1.tw	Method	TBLASTX:Wheat

Start	3800	End	4372
GI	none	Score	68
Exons	3800..3844, 3932..4132, 3933..4109, 4278..4343, 4294..4371, 4295..4372		

Seq. No.	10138	Seq. ID	OJ990330_05.9819.C13
Gene No.	21559	Strand	-
Start	5741	End	6265
Name	OJ990330_05.9819.C13.o2.tm	Method	TBLASTX:Maize
Start	3986	End	4886
GI	none	Score	173
Exons	3986..4102, 3987..4109, 4287..4535, 4294..4542, 4294..4548, 4442..4549, 4638..4757, 4641..4697, 4645..4707, 4708..4749, 4759..4815, 4761..4886, 4772..4834		

Seq. No.	10138	Seq. ID	OJ990330_05.9819.C13
Gene No.	21559	Strand	-
Start	5741	End	6265
Name	OJ990330_05.9819.C13.o2.gs	Method	GENSCAN
Start	5741	End	6265
GI	none	Score	.7
Exons	5741..5844, 6115..6265		

Seq. No.	10139	Seq. ID	OJ990330_05.9819.C14
Gene No.	21560	Strand	+
Start	64	End	147
Name	OJ990330_05.9819.C14.o1.gs	Method	GENSCAN
Start	64	End	147
GI	none	Score	.86
Exons	64..147		

Seq. No.	10139	Seq. ID	OJ990330_05.9819.C14
Gene No.	21561	Strand	-
Start	431	End	904
Name	OJ990330_05.9819.C14.o2.gs	Method	GENSCAN
Start	431	End	904
GI	none	Score	.97
Exons	431..450, 826..904		

Seq. No.	10140	Seq. ID	OJ990330_05.9819.C15
Gene No.	21562	Strand	+
Start	1	End	1960
Name	OJ990330_05.9819.C15.o1.np	Method	AAT/NAP
Start	1	End	1960
GI	6358765	Score	118
Exons	1..39, 1704..1960		
GI Descrip.	(AC011665) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	10140	Seq. ID	OJ990330_05.9819.C15
Gene No.	21562	Strand	+
Start	1	End	1960
Name	OJ990330_05.9819.C15.o1.gs	Method	GENSCAN
Start	114	End	1889
GI	none	Score	.59
Exons	114..195, 283..379, 746..858, 1425..1556, 1678..1889		

Seq. No.	10141	Seq. ID	OJ990330_05.9819.C16

Gene No.	21563	Strand	-
Start	315	End	649
Name	OJ990330_05.9819.C16.o1.gs	Method	GENSCAN
Start	315	End	649
GI	none	Score	.71
Exons	315..402, 511..649		

Seq. No.	10142	Seq. ID	OJ990330_05.9819.C17
Gene No.	21564	Strand	-
Start	10011	End	10104
Name	OJ990330_05.9819.C17.o1.gp	Method	AAT/GAP
Start	10011	End	10104
GI	LIB3477-003-P1-K1-E9	Score	109
Exons	10011..10104		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	10143	Seq. ID	OJ990330_05.9819.C18
Gene No.	21565	Strand	-
Start	3153	End	3266
Name	OJ990330_05.9819.C18.o2.gs	Method	GENSCAN
Start	3153	End	3266
GI	none	Score	.71
Exons	3153..3266		

Seq. No.	10144	Seq. ID	OJ990330_05.9819.C19
Gene No.	21566	Strand	+
Start	1	End	2111
Name	OJ990330_05.9819.C19.o1.np	Method	AAT/NAP
Start	1	End	2111
GI	1514643	Score	1144
Exons	1..296, 504..588, 858..1017, 1144..1220, 1338..1391, 1480..1570, 1663..1964, 2050..2111		
GI Descrip.	(Z70524) PDR5-like ABC transporter [Spirodela polyrrhiza]		

Seq. No.	10144	Seq. ID	OJ990330_05.9819.C19
Gene No.	21566	Strand	+
Start	1	End	2111
Name	OJ990330_05.9819.C19.o1.gs	Method	GENSCAN
Start	46	End	1964
GI	none	Score	.81
Exons	46..296, 504..588, 858..1017, 1144..1220, 1480..1570, 1663..1964		

Seq. No.	10144	Seq. ID	OJ990330_05.9819.C19
Gene No.	21566	Strand	+
Start	1	End	2111
Name	OJ990330_05.9819.C19.o1.tm	Method	TBLASTX:Maize
Start	1477	End	1883
GI	none	Score	163
Exons	1477..1575, 1479..1574, 1656..1883, 1661..1882		

Seq. No.	10144	Seq. ID	OJ990330_05.9819.C19
Gene No.	21566	Strand	+
Start	1	End	2111
Name	OJ990330_05.9819.C19.o1.gp	Method	AAT/GAP
Start	1683	End	2111

GI	426651	Score	653
Exons	1683..1964, 2050..2111		
GI Descrip.	1514643/emb|CAA94437| 9.0e-51 (Z70524) PDR5-like ABC transporter [Spirodela polyrrhiza]		

Seq. No.	10144	Seq. ID	OJ990330_05.9819.C19
Gene No.	21566	Strand	+
Start	1	End	2111
Name	OJ990330_05.9819.C19.o1.ts	Method	TBLASTX:Soybean
Start	1700	End	2109
GI	none	Score	389
Exons	1700..1972, 1704..1973, 2044..2109, 2049..2108		

Seq. No.	10144	Seq. ID	OJ990330_05.9819.C19
Gene No.	21566	Strand	+
Start	1	End	2111
Name	OJ990330_05.9819.C19.o1.tc	Method	TBLASTX:Cress
Start	1784	End	2109
GI	none	Score	269
Exons	1784..1972, 1785..1973, 2044..2109, 2049..2102		

Seq. No.	10145	Seq. ID	OJ990330_05.9819.C20
Gene No.	21567	Strand	+
Start	1	End	1951
Name	OJ990330_05.9819.C20.o1.np	Method	AAT/NAP
Start	1	End	1951
GI	1514643	Score	1416
Exons	1..308, 419..579, 666..932, 1020..1270, 1355..1687, 1765..1951		
GI Descrip.	(Z70524) PDR5-like ABC transporter [Spirodela polyrrhiza]		

Seq. No.	10145	Seq. ID	OJ990330_05.9819.C20
Gene No.	21567	Strand	+
Start	1	End	1951
Name	OJ990330_05.9819.C20.o1.gs	Method	GENSCAN
Start	16	End	1843
GI	none	Score	.71
Exons	16..308, 419..579, 666..932, 1020..1270, 1355..1687, 1765..1843		

Seq. No.	10145	Seq. ID	OJ990330_05.9819.C20
Gene No.	21567	Strand	+
Start	1	End	1951
Name	OJ990330_05.9819.C20.o2.tc	Method	TBLASTX:Cress
Start	63	End	931
GI	none	Score	221
Exons	63..287, 64..309, 420..572, 680..772, 788..931, 790..921		

Seq. No.	10145	Seq. ID	OJ990330_05.9819.C20
Gene No.	21567	Strand	+
Start	1	End	1951
Name	OJ990330_05.9819.C20.o2.ts	Method	TBLASTX:Soybean
Start	103	End	267
GI	none	Score	211
Exons	103..267, 105..266		

Seq. No.	10145	Seq. ID	OJ990330_05.9819.C20
Gene No.	21567	Strand	+
Start	1	End	1951

Name	OJ990330_05.9819.C20.o1.tw	Method	TBLASTX:Wheat
Start	136	End	703
GI	none	Score	258
Exons	136..309, 141..311, 182..316, 671..703	416..577, 420..578, 655..702,	

Seq. No.	10145	Seq. ID	OJ990330_05.9819.C20
Gene No.	21567	Strand	+
Start	1	End	1951
Name	OJ990330_05.9819.C20.o1.ts	Method	TBLASTX:Soybean
Start	268	End	1896
GI	none	Score	69
Exons	268..309, 276..314, 416..562, 671..766, 675..773, 676..768, 1195..1272, 1198..1278, 1351..1686, 1354..1686, 1762..1896, 1764..1895, 1809..1847	423..578, 500..604, 593..766, 787..897, 788..928, 1193..1270, 1352..1690, 1353..1676,	

Seq. No.	10145	Seq. ID	OJ990330_05.9819.C20
Gene No.	21567	Strand	+
Start	1	End	1951
Name	OJ990330_05.9819.C20.o1.tm	Method	TBLASTX:Maize
Start	1187	End	1871
GI	none	Score	74
Exons	1187..1267, 1349..1615, 1353..1667, 1354..1686, 1355..1690, 1762..1869, 1764..1871, 1764..1871		

Seq. No.	10145	Seq. ID	OJ990330_05.9819.C20
Gene No.	21567	Strand	+
Start	1	End	1951
Name	OJ990330_05.9819.C20.o1.tc	Method	TBLASTX:Cress
Start	1193	End	1896
GI	none	Score	104
Exons	1193..1267, 1198..1266, 1337..1660, 1354..1668, 1355..1684, 1765..1896, 1821..1895		

Seq. No.	10145	Seq. ID	OJ990330_05.9819.C20
Gene No.	21567	Strand	+
Start	1	End	1951
Name	OJ990330_05.9819.C20.o1.gp	Method	AAT/GAP
Start	1798	End	1897
GI	uC-osflcyp121d01b1	Score	178
Exons	1798..1897		
GI Descrip.	'1514643/emb|CAA94437| 1.0e-60 (Z70524) PDR5-like ABC transporter [Spirodela polyrrhiza]'		

Seq. No.	10146	Seq. ID	OJ990330_05.9819.C21
Gene No.	21568	Strand	-
Start	57	End	350
Name	OJ990330_05.9819.C21.o1.gp	Method	AAT/GAP
Start	57	End	350
GI	none	Score	525
Exons	57..350		

Seq. No.	10146	Seq. ID	OJ990330_05.9819.C21
Gene No.	21569	Strand	-
Start	469	End	1022
Name	OJ990330_05.9819.C21.o1.gs	Method	GENSCAN

Start	469	End	1022
GI	none	Score	.77
Exons	469..570, 903..1022		

Seq. No.	10147	Seq. ID	OJ990330_05.9819.C22
Gene No.	21570	Strand	+
Start	168	End	2315
Name	OJ990330_05.9819.C22.o1.gs	Method	GENSCAN
Start	168	End	1919
GI	none	Score	.88
Exons	168..538, 644..853, 1145..1229, 1564..1723, 1843..1919		

Seq. No.	10147	Seq. ID	OJ990330_05.9819.C22
Gene No.	21570	Strand	+
Start	168	End	2315
Name	OJ990330_05.9819.C22.o1.np	Method	AAT/NAP
Start	171	End	2315
GI	1514643	Score	702
Exons	171..538, 644..848, 1140..1229, 1564..1723, 1843..1919, 2033..2090, 2276..2315		
GI Descrip.	(Z70524) PDR5-like ABC transporter [Spirodela polyrrhiza]		

Seq. No.	10147	Seq. ID	OJ990330_05.9819.C22
Gene No.	21570	Strand	+
Start	168	End	2315
Name	OJ990330_05.9819.C22.o1.ts	Method	TBLASTX:Soybean
Start	315	End	797
GI	none	Score	81
Exons	315..374, 426..563, 632..796, 642..797		

Seq. No.	10148	Seq. ID	OJ990330_05.9819.C23
Gene No.	21571	Strand	-
Start	153	End	683
Name	OJ990330_05.9819.C23.o1.gs	Method	GENSCAN
Start	153	End	683
GI	none	Score	.81
Exons	153..358, 491..683		

Seq. No.	10149	Seq. ID	OJ990330_05.9819.C25
Gene No.	21572	Strand	+
Start	1	End	1068
Name	OJ990330_05.9819.C25.o1.np	Method	AAT/NAP
Start	1	End	1068
GI	1514643	Score	661
Exons	1..165, 252..385, 485..710, 788..1068		
GI Descrip.	(Z70524) PDR5-like ABC transporter [Spirodela polyrrhiza]		

Seq. No.	10149	Seq. ID	OJ990330_05.9819.C25
Gene No.	21572	Strand	+
Start	1	End	1068
Name	OJ990330_05.9819.C25.o1.tc	Method	TBLASTX:Cress
Start	79	End	989
GI	none	Score	103
Exons	79..165, 82..162, 90..164, 249..386, 257..385, 273..389, 471..707, 488..709, 785..964, 787..951, 839..970, 861..989		

Seq. No.	10149	Seq. ID	OJ990330_05.9819.C25

Gene No.	21572	Strand	+
Start	1	End	1068
Name	OJ990330_05.9819.C25.o1.tm	Method	TBLASTX:Maize
Start	79	End	739
GI	none	Score	148
Exons	79..165, 81..164, 249..386, 260..385, 261..386, 477..710, 479..739, 485..715		

Seq. No.	10149	Seq. ID	OJ990330_05.9819.C25
Gene No.	21572	Strand	+
Start	1	End	1068
Name	OJ990330_05.9819.C25.o1.tw	Method	TBLASTX:Wheat
Start	79	End	709
GI	none	Score	89
Exons	79..165, 249..386, 270..365, 477..704, 479..709, 482..709		

Seq. No.	10149	Seq. ID	OJ990330_05.9819.C25
Gene No.	21572	Strand	+
Start	1	End	1068
Name	OJ990330_05.9819.C25.o1.ts	Method	TBLASTX:Soybean
Start	79	End	964
GI	none	Score	128
Exons	79..165, 81..170, 249..386, 250..390, 251..376, 469..621, 477..710, 482..739, 518..721, 788..964, 802..963, 803..964		

Seq. No.	10149	Seq. ID	OJ990330_05.9819.C25
Gene No.	21572	Strand	+
Start	1	End	1068
Name	OJ990330_05.9819.C25.o1.gp	Method	AAT/GAP
Start	81	End	384
GI	uC-osflcyp121d01b1	Score	396
Exons	81..165, 252..384		
GI Descrip.	'1514643/emb|CAA94437| 1.0e-60 (Z70524) PDR5-like ABC transporter [Spirodela polyrrhiza]'		

Seq. No.	10149	Seq. ID	OJ990330_05.9819.C25
Gene No.	21572	Strand	+
Start	1	End	1068
Name	OJ990330_05.9819.C25.o1.gs	Method	GENSCAN
Start	82	End	961
GI	none	Score	.95
Exons	82..165, 252..385, 485..712, 790..961		

Seq. No.	10149	Seq. ID	OJ990330_05.9819.C25
Gene No.	21572	Strand	+
Start	1	End	1068
Name	OJ990330_05.9819.C25.o2.tw	Method	TBLASTX:Wheat
Start	794	End	964
GI	none	Score	258
Exons	794..964, 796..963, 797..964		

Seq. No.	10149	Seq. ID	OJ990330_05.9819.C25
Gene No.	21572	Strand	+
Start	1	End	1068
Name	OJ990330_05.9819.C25.o2.tm	Method	TBLASTX:Maize
Start	818	End	964
GI	none	Score	238

Exons	818..964, 820..963		
Seq. No.	10150	Seq. ID	OJ990330_05.9819.C26
Gene No.	21573	Strand	+
Start	131	End	993
Name	OJ990330_05.9819.C26.o1.np	Method	AAT/NAP
Start	131	End	993
GI	1514643	Score	894
Exons	131..232, 306..607, 685..993		
GI Descrip.	(Z70524) PDR5-like ABC transporter [Spirodela polyrrhiza]		
Seq. No.	10150	Seq. ID	OJ990330_05.9819.C26
Gene No.	21573	Strand	+
Start	131	End	993
Name	OJ990330_05.9819.C26.o1.tm	Method	TBLASTX:Maize
Start	137	End	526
GI	none	Score	149
Exons	137..226, 139..234, 141..233, 304..525, 305..526		
Seq. No.	10150	Seq. ID	OJ990330_05.9819.C26
Gene No.	21573	Strand	+
Start	131	End	993
Name	OJ990330_05.9819.C26.o1.gs	Method	GENSCAN
Start	172	End	966
GI	none	Score	.81
Exons	172..232, 306..607, 685..966		
Seq. No.	10150	Seq. ID	OJ990330_05.9819.C26
Gene No.	21573	Strand	+
Start	131	End	993
Name	OJ990330_05.9819.C26.o1.ts	Method	TBLASTX:Soybean
Start	343	End	788
GI	none	Score	387
Exons	343..612, 347..613, 353..613, 679..786, 684..788		
Seq. No.	10150	Seq. ID	OJ990330_05.9819.C26
Gene No.	21573	Strand	+
Start	131	End	993
Name	OJ990330_05.9819.C26.o1.tc	Method	TBLASTX:Cress
Start	427	End	810
GI	none	Score	268
Exons	427..612, 428..613, 679..810, 682..810		
Seq. No.	10150	Seq. ID	OJ990330_05.9819.C26
Gene No.	21573	Strand	+
Start	131	End	993
Name	OJ990330_05.9819.C26.o2.ts	Method	TBLASTX:Soybean
Start	813	End	969
GI	none	Score	186
Exons	813..968, 814..969		
Seq. No.	10151	Seq. ID	OJ990330_05.9819.C27
Gene No.	21574	Strand	+
Start	11	End	484
Name	OJ990330_05.9819.C27.o1.gs	Method	GENSCAN
Start	11	End	484
GI	none	Score	.53

Exons	11..187, 266..484		
Seq. No.	10152	Seq. ID	OJ990330_05.9819.C30
Gene No.	21575	Strand	+
Start	875	End	989
Name	OJ990330_05.9819.C30.o1.gs	Method	GENSCAN
Start	875	End	989
GI	none	Score	.93
Exons	875..989		
Seq. No.	10153	Seq. ID	OJ990330_05.9819.C31
Gene No.	21576	Strand	-
Start	233	End	3500
Name	OJ990330_05.9819.C31.o1.np	Method	AAT/NAP
Start	233	End	3500
GI	3059129	Score	1008
Exons	233..488, 561..918, 2459..2804, 2881..2979, 3007..3500		
GI Descrip.	(AJ000477) cytochrome P450 [Helianthus tuberosus]		
Seq. No.	10153	Seq. ID	OJ990330_05.9819.C31
Gene No.	21576	Strand	-
Start	233	End	3500
Name	OJ990330_05.9819.C31.o1.tc	Method	TBLASTX:Cress
Start	242	End	3239
GI	none	Score	79
Exons	242..469, 279..449, 563..796, 570..776, 805..912, 806..913, 2456..2545, 2591..2632, 2883..2981, 2994..3239		
Seq. No.	10153	Seq. ID	OJ990330_05.9819.C31
Gene No.	21576	Strand	-
Start	233	End	3500
Name	OJ990330_05.9819.C31.o1.tm	Method	TBLASTX:Maize
Start	263	End	930
GI	none	Score	61
Exons	263..469, 301..480, 320..448, 363..470, 562..621, 563..796, 567..776, 805..930, 806..910		
Seq. No.	10153	Seq. ID	OJ990330_05.9819.C31
Gene No.	21576	Strand	-
Start	233	End	3500
Name	OJ990330_05.9819.C31.o1.ts	Method	TBLASTX:Soybean
Start	263	End	930
GI	none	Score	61
Exons	263..469, 301..480, 320..448, 363..470, 562..621, 563..796, 567..776, 805..930, 806..910		
Seq. No.	10153	Seq. ID	OJ990330_05.9819.C31
Gene No.	21576	Strand	-
Start	233	End	3500
Name	OJ990330_05.9819.C31.o1.gs	Method	GENSCAN
Start	265	End	3500
GI	none	Score	.89
Exons	265..488, 567..751, 799..924, 2465..2807, 2881..3500		
Seq. No.	10153	Seq. ID	OJ990330_05.9819.C31
Gene No.	21576	Strand	-
Start	233	End	3500

Name	OJ990330_05.9819.C31.o1.tw	Method	TBLASTX:Wheat
Start	623	End	2551
GI	none	Score	78
Exons	623..802, 630..758, 805..912, 806..913, 2468..2551		

Seq. No.	10153	Seq. ID	OJ990330_05.9819.C31
Gene No.	21576	Strand	-
Start	233	End	3500
Name	OJ990330_05.9819.C31.o2.ts	Method	TBLASTX:Soybean
Start	2603	End	3401
GI	none	Score	56
Exons	2603..2632, 2708..2806, 2883..2999, 3012..3239, 3299..3376, 3336..3401		

Seq. No.	10153	Seq. ID	OJ990330_05.9819.C31
Gene No.	21576	Strand	-
Start	233	End	3500
Name	OJ990330_05.9819.C31.o2.tm	Method	TBLASTX:Maize
Start	2705	End	3353
GI	none	Score	44
Exons	2705..2809, 2904..2987, 2913..2963, 2985..3137, 3073..3138, 3138..3236, 3187..3237, 3297..3353		

Seq. No.	10154	Seq. ID	OJ990330_05.9819.C32
Gene No.	21577	Strand	-
Start	1259	End	1971
Name	OJ990330_05.9819.C32.o1.tc	Method	TBLASTX:Cress
Start	26	End	1950
GI	none	Score	75
Exons	26..100, 1259..1492, 1302..1472, 1578..1805, 1594..1815, 1600..1833, 1607..1837, 1816..1950, 1817..1918		

Seq. No.	10154	Seq. ID	OJ990330_05.9819.C32
Gene No.	21577	Strand	-
Start	1259	End	1971
Name	OJ990330_05.9819.C32.o1.np	Method	AAT/NAP
Start	1256	End	1971
GI	3059129	Score	564
Exons	1256..1504, 1591..1971		
GI Descrip.	(AJ000477) cytochrome P450 [Helianthus tuberosus]		

Seq. No.	10154	Seq. ID	OJ990330_05.9819.C32
Gene No.	21577	Strand	-
Start	1259	End	1971
Name	OJ990330_05.9819.C32.o2.gs	Method	GENSCAN
Start	1259	End	1962
GI	none	Score	.49
Exons	1259..1511, 1604..1962		

Seq. No.	10154	Seq. ID	OJ990330_05.9819.C32
Gene No.	21577	Strand	-
Start	1259	End	1971
Name	OJ990330_05.9819.C32.o1.tm	Method	TBLASTX:Maize
Start	1286	End	1968
GI	none	Score	73
Exons	1286..1504, 1349..1471, 1386..1493, 1594..1704, 1600..1839, 1604..1840, 1816..1968		

Seq. No.	10154	Seq. ID	OJ990330_05.9819.C32
Gene No.	21577	Strand	-
Start	1259	End	1971
Name	OJ990330_05.9819.C32.o1.ts	Method	TBLASTX:Soybean
Start	1286	End	1968
GI	none	Score	73
Exons	1286..1504, 1349..1471, 1386..1493, 1594..1704, 1600..1839, 1604..1840, 1816..1968		

Seq. No.	10154	Seq. ID	OJ990330_05.9819.C32
Gene No.	21577	Strand	-
Start	1259	End	1971
Name	OJ990330_05.9819.C32.o1.tw	Method	TBLASTX:Wheat
Start	1660	End	1950
GI	none	Score	123
Exons	1660..1833, 1667..1834, 1843..1950, 1844..1918		

Seq. No.	10155	Seq. ID	OJ990330_05.9819.C34
Gene No.	21578	Strand	-
Start	2130	End	4728
Name	OJ990330_05.9819.C34.o1.gs	Method	GENSCAN
Start	2130	End	4728
GI	none	Score	.64
Exons	2130..2329, 2514..2518, 2742..2878, 3802..3933, 4570..4728		

Seq. No.	10156	Seq. ID	OJ990330_05.9819.C35
Gene No.	21579	Strand	+
Start	132	End	825
Name	OJ990330_05.9819.C35.o1.np	Method	AAT/NAP
Start	132	End	825
GI	5915842	Score	262
Exons	132..825		
GI Descrip.	CYTOCHROME P450 81E1 (ISOFLAVONE 2'-HYDROXYLASE) (P450 91A4) (CYP GE-3) gi|2443348|dbj|BAA22422.1| (AB001379) cytochrome P450 [Glycyrrhiza echinata]		

Seq. No.	10156	Seq. ID	OJ990330_05.9819.C35
Gene No.	21579	Strand	+
Start	132	End	825
Name	OJ990330_05.9819.C35.o1.gs	Method	GENSCAN
Start	140	End	743
GI	none	Score	.55
Exons	140..190, 278..743		

Seq. No.	10156	Seq. ID	OJ990330_05.9819.C35
Gene No.	21579	Strand	+
Start	132	End	825
Name	OJ990330_05.9819.C35.o1.tm	Method	TBLASTX:Maize
Start	236	End	572
GI	none	Score	91
Exons	236..289, 243..323, 261..323, 386..544, 387..572		

Seq. No.	10156	Seq. ID	OJ990330_05.9819.C35
Gene No.	21579	Strand	+
Start	132	End	825
Name	OJ990330_05.9819.C35.o1.ts	Method	TBLASTX:Soybean

Start	261	End	740
GI	none	Score	54
Exons	261..323, 384..572, 663..740		

Seq. No.	10156	Seq. ID	OJ990330_05.9819.C35
Gene No.	21579	Strand	+
Start	132	End	825
Name	OJ990330_05.9819.C35.o1.tc	Method	TBLASTX:Cress
Start	261	End	752
GI	none	Score	48
Exons	261..299, 384..566, 663..752		

Seq. No.	10157	Seq. ID	OJ990330_05.9819.C36
Gene No.	21580	Strand	-
Start	433	End	945
Name	OJ990330_05.9819.C36.o1.np	Method	AAT/NAP
Start	269	End	945
GI	5902445	Score	903
Exons	269..945		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	10157	Seq. ID	OJ990330_05.9819.C36
Gene No.	21580	Strand	-
Start	433	End	945
Name	OJ990330_05.9819.C36.o1.tw	Method	TBLASTX:Wheat
Start	278	End	879
GI	none	Score	82
Exons	278..409, 454..879, 599..736, 803..871		

Seq. No.	10157	Seq. ID	OJ990330_05.9819.C36
Gene No.	21580	Strand	-
Start	433	End	945
Name	OJ990330_05.9819.C36.o1.tm	Method	TBLASTX:Maize
Start	317	End	570
GI	none	Score	93
Exons	317..418, 318..419, 398..460, 448..570		

Seq. No.	10157	Seq. ID	OJ990330_05.9819.C36
Gene No.	21580	Strand	-
Start	433	End	945
Name	OJ990330_05.9819.C36.o1.gs	Method	GENSCAN
Start	433	End	834
GI	none	Score	.68
Exons	433..834		

Seq. No.	10158	Seq. ID	OJ990330_05.9819.C37
Gene No.	21581	Strand	+
Start	222	End	492
Name	OJ990330_05.9819.C37.o1.gs	Method	GENSCAN
Start	222	End	492
GI	none	Score	.95
Exons	222..274, 414..492		

Seq. No.	10158	Seq. ID	OJ990330_05.9819.C37
Gene No.	21582	Strand	-
Start	159	End	3331
Name	OJ990330_05.9819.C37.o1.np	Method	AAT/NAP

Start	159	End	3277
GI	5922631	Score	3207
Exons	159..657, 1188..2169, 2290..2441, 2484..3062, 3108..3277		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	10158	Seq. ID	OJ990330_05.9819.C37
Gene No.	21582	Strand	-
Start	159	End	3331
Name	OJ990330_05.9819.C37.o2.tm	Method	TBLASTX:Maize
Start	177	End	585
GI	none	Score	44
Exons	177..296, 177..308, 324..584, 330..584, 331..585		

Seq. No.	10158	Seq. ID	OJ990330_05.9819.C37
Gene No.	21582	Strand	-
Start	159	End	3331
Name	OJ990330_05.9819.C37.o1.ts	Method	TBLASTX:Soybean
Start	252	End	653
GI	none	Score	157
Exons	252..653, 286..636		

Seq. No.	10158	Seq. ID	OJ990330_05.9819.C37
Gene No.	21582	Strand	-
Start	159	End	3331
Name	OJ990330_05.9819.C37.o2.tw	Method	TBLASTX:Wheat
Start	307	End	656
GI	none	Score	235
Exons	307..633, 312..656		

Seq. No.	10158	Seq. ID	OJ990330_05.9819.C37
Gene No.	21582	Strand	-
Start	159	End	3331
Name	OJ990330_05.9819.C37.o2.gs	Method	GENSCAN
Start	635	End	3331
GI	none	Score	.7
Exons	635..1078, 1265..2736, 2804..3331		

Seq. No.	10158	Seq. ID	OJ990330_05.9819.C37
Gene No.	21582	Strand	-
Start	159	End	3331
Name	OJ990330_05.9819.C37.o1.tm	Method	TBLASTX:Maize
Start	740	End	1096
GI	none	Score	164
Exons	740..1096, 768..1055		

Seq. No.	10158	Seq. ID	OJ990330_05.9819.C37
Gene No.	21582	Strand	-
Start	159	End	3331
Name	OJ990330_05.9819.C37.o1.tw	Method	TBLASTX:Wheat
Start	770	End	1226
GI	none	Score	248

Exons	770..1225, 771..1226		
Seq. No.	10158	Seq. ID	OJ990330_05.9819.C37
Gene No.	21582	Strand	-
Start	159	End	3331
Name	OJ990330_05.9819.C37.o2.ts	Method	TBLASTX:Soybean
Start	821	End	1186
GI	none	Score	140
Exons	821..955, 962..1186		
Seq. No.	10158	Seq. ID	OJ990330_05.9819.C37
Gene No.	21582	Strand	-
Start	159	End	3331
Name	OJ990330_05.9819.C37.o3.tw	Method	TBLASTX:Wheat
Start	1226	End	1903
GI	none	Score	147
Exons	1226..1342, 1446..1685, 1448..1678, 1727..1903		
Seq. No.	10158	Seq. ID	OJ990330_05.9819.C37
Gene No.	21582	Strand	-
Start	159	End	3331
Name	OJ990330_05.9819.C37.o3.tm	Method	TBLASTX:Maize
Start	1418	End	1595
GI	none	Score	118
Exons	1418..1594, 1449..1595		
Seq. No.	10158	Seq. ID	OJ990330_05.9819.C37
Gene No.	21582	Strand	-
Start	159	End	3331
Name	OJ990330_05.9819.C37.o4.tw	Method	TBLASTX:Wheat
Start	2477	End	2880
GI	none	Score	68
Exons	2477..2740, 2734..2880, 2748..2879		
Seq. No.	10159	Seq. ID	OJ990330_05.9819.C38
Gene No.	21583	Strand	+
Start	829	End	2747
Name	OJ990330_05.9819.C38.o2.gs	Method	GENSCAN
Start	829	End	2665
GI	none	Score	.92
Exons	829..853, 1289..1344, 1426..1550, 1636..1792, 2591..2665		
Seq. No.	10159	Seq. ID	OJ990330_05.9819.C38
Gene No.	21583	Strand	+
Start	829	End	2747
Name	OJ990330_05.9819.C38.o1.gp	Method	AAT/GAP
Start	1288	End	2747
GI	549_2.R1084	Score	842
Exons	1288..1344, 1415..1550, 1636..1792, 2591..2747		
GI Descrip.	'3355468 1.0e-34 (AC004218) putative ribosomal protein L35 [Arabidopsis thaliana]'		
Seq. No.	10159	Seq. ID	OJ990330_05.9819.C38
Gene No.	21583	Strand	+
Start	829	End	2747
Name	OJ990330_05.9819.C38.o2.np	Method	AAT/NAP
Start	1411	End	2662

GI	3355468	Score	417
Exons	1411..1550, 1636..1792, 2591..2662		
GI Descrip.	(AC004218) 60S ribosomal protein L35 [Arabidopsis thaliana]		

Seq. No.	10159	Seq. ID	OJ990330_05.9819.C38
Gene No.	21584	Strand	-
Start	1	End	352
Name	OJ990330_05.9819.C38.o1.np	Method	AAT/NAP
Start	1	End	352
GI	5902444	Score	370
Exons	1..352		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	10159	Seq. ID	OJ990330_05.9819.C38
Gene No.	21584	Strand	-
Start	1	End	352
Name	OJ990330_05.9819.C38.o1.gs	Method	GENSCAN
Start	14	End	352
GI	none	Score	.99
Exons	14..352		

Seq. No.	10159	Seq. ID	OJ990330_05.9819.C38
Gene No.	21585	Strand	
Start	1416	End	2709
Name	OJ990330_05.9819.C38.o1.tm	Method	TBLASTX:Maize
Start	1416	End	2674
GI	none	Score	117
Exons	1416..1550, 1417..1551, 1633..1794, 1637..1795, 2580..2660, 2588..2674, 2590..2673		

Seq. No.	10159	Seq. ID	OJ990330_05.9819.C38
Gene No.	21585	Strand	
Start	1416	End	2709
Name	OJ990330_05.9819.C38.o1.tw	Method	TBLASTX:Wheat
Start	1416	End	2656
GI	none	Score	124
Exons	1416..1550, 1417..1551, 1636..1716, 1637..1729, 1637..1711, 1638..1715, 1718..1795, 1762..1794, 2580..2651, 2588..2656, 2590..2655		

Seq. No.	10159	Seq. ID	OJ990330_05.9819.C38
Gene No.	21585	Strand	
Start	1416	End	2709
Name	OJ990330_05.9819.C38.o1.tc	Method	TBLASTX:Cress
Start	1417	End	2665
GI	none	Score	109
Exons	1417..1551, 1515..1550, 1633..1788, 1637..1792, 2588..2665, 2590..2664		

Seq. No.	10159	Seq. ID	OJ990330_05.9819.C38
Gene No.	21585	Strand	
Start	1416	End	2709
Name	OJ990330_05.9819.C38.o1.ts	Method	TBLASTX:Soybean
Start	1417	End	2709
GI	none	Score	110
Exons	1417..1551, 1515..1550, 1633..1710, 1637..1795, 1762..1794, 2588..2671, 2590..2709		

Seq. No.	10160	Seq. ID	OJ990330_05.9819.C39
Gene No.	21586	Strand	-
Start	1	End	168
Name	OJ990330_05.9819.C39.o1.gp	Method	AAT/GAP
Start	1	End	168
GI	3762940	Score	191
Exons	1..168		

Seq. No.	10161	Seq. ID	OJ990330_05.9819.C41
Gene No.	21587	Strand	-
Start	58	End	1333
Name	OJ990330_05.9819.C41.o1.gp	Method	AAT/GAP
Start	58	End	552
GI	none	Score	702
Exons	58..326, 425..552		

Seq. No.	10161	Seq. ID	OJ990330_05.9819.C41
Gene No.	21587	Strand	-
Start	58	End	1333
Name	OJ990330_05.9819.C41.o1.tm	Method	TBLASTX:Maize
Start	66	End	1333
GI	none	Score	283
Exons	66..335, 97..327, 99..335, 404..547, 405..545, 421..546, 425..550, 722..868, 789..881, 792..872, 1230..1295, 1242..1310, 1294..1332, 1295..1333		

Seq. No.	10161	Seq. ID	OJ990330_05.9819.C41
Gene No.	21587	Strand	-
Start	58	End	1333
Name	OJ990330_05.9819.C41.o1.tc	Method	TBLASTX:Cress
Start	147	End	881
GI	none	Score	181
Exons	147..335, 148..327, 242..337, 416..547, 423..545, 425..550, 620..679, 789..881, 794..865		

Seq. No.	10161	Seq. ID	OJ990330_05.9819.C41
Gene No.	21587	Strand	-
Start	58	End	1333
Name	OJ990330_05.9819.C41.o1.gs	Method	GENSCAN
Start	150	End	1330
GI	none	Score	.9
Exons	150..365, 425..544, 1242..1330		

Seq. No.	10161	Seq. ID	OJ990330_05.9819.C41
Gene No.	21587	Strand	-
Start	58	End	1333
Name	OJ990330_05.9819.C41.o2.gp	Method	AAT/GAP
Start	794	End	872
GI	3107604	Score	119
Exons	794..872		

Seq. No.	10162	Seq. ID	OJ990330_05.9819.C42
Gene No.	21588	Strand	-
Start	816	End	2065
Name	OJ990330_05.9819.C42.o1.gs	Method	GENSCAN
Start	816	End	2065

GI	none	Score	.86
Exons	816..876, 1386..1465, 1989..2065		

Seq. No.	10163	Seq. ID	OJ990330_05.9819.C43
Gene No.	21589	Strand	+
Start	1	End	1031
Name	OJ990330_05.9819.C43.o1.np	Method	AAT/NAP
Start	1	End	1031
GI	100226	Score	479
Exons	1..720, 748..1031		
GI Descrip.	hypothetical protein - tomato gi|19275|emb|CAA78112| (Z12127) protein of unknown function [Lycopersicon esculentum] gi|445619|prf||1909366A Leu zipper protein [Lycopersicon esculentum]		

Seq. No.	10163	Seq. ID	OJ990330_05.9819.C43
Gene No.	21589	Strand	+
Start	1	End	1031
Name	OJ990330_05.9819.C43.o1.tm	Method	TBLASTX:Maize
Start	59	End	692
GI	none	Score	342
Exons	59..322, 59..217, 61..354, 61..321, 69..356, 254..352, 389..685, 396..692, 396..680, 418..684		

Seq. No.	10163	Seq. ID	OJ990330_05.9819.C43
Gene No.	21589	Strand	+
Start	1	End	1031
Name	OJ990330_05.9819.C43.o2.ts	Method	TBLASTX:Soybean
Start	59	End	322
GI	none	Score	65
Exons	59..118, 79..321, 113..322		

Seq. No.	10163	Seq. ID	OJ990330_05.9819.C43
Gene No.	21589	Strand	+
Start	1	End	1031
Name	OJ990330_05.9819.C43.o1.gp	Method	AAT/GAP
Start	67	End	461
GI	699987	Score	790
Exons	67..461		
GI Descrip.	4587550/gb|AAD25781.1|AC006577_17 6.0e-11 (AC006577) EST gb_R64848 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	10163	Seq. ID	OJ990330_05.9819.C43
Gene No.	21589	Strand	+
Start	1	End	1031
Name	OJ990330_05.9819.C43.o1.gs	Method	GENSCAN
Start	80	End	908
GI	none	Score	.65
Exons	80..908		

Seq. No.	10163	Seq. ID	OJ990330_05.9819.C43
Gene No.	21589	Strand	+
Start	1	End	1031
Name	OJ990330_05.9819.C43.o1.tc	Method	TBLASTX:Cress
Start	263	End	871
GI	none	Score	77
Exons	263..322, 389..565, 466..576, 566..685, 743..871		

Seq. No.	10163	Seq. ID	OJ990330_05.9819.C43
Gene No.	21589	Strand	+
Start	1	End	1031
Name	OJ990330_05.9819.C43.o1.ts	Method	TBLASTX:Soybean
Start	398	End	952
GI	none	Score	226
Exons	398..685, 460..684, 748..948,	749..952	

Seq. No.	10163	Seq. ID	OJ990330_05.9819.C43
Gene No.	21589	Strand	+
Start	1	End	1031
Name	OJ990330_05.9819.C43.o1.tw	Method	TBLASTX:Wheat
Start	419	End	853
GI	none	Score	201
Exons	419..685, 482..685, 736..789,	742..792,	743..853

Seq. No.	10163	Seq. ID	OJ990330_05.9819.C43
Gene No.	21589	Strand	+
Start	1	End	1031
Name	OJ990330_05.9819.C43.o2.tm	Method	TBLASTX:Maize
Start	743	End	961
GI	none	Score	99
Exons	743..820, 757..792, 821..961,	850..960	

Seq. No.	10164	Seq. ID	OJ990330_05.9819.C44
Gene No.	21590	Strand	-
Start	457	End	1751
Name	OJ990330_05.9819.C44.o1.gs	Method	GENSCAN
Start	457	End	1751
GI	none	Score	.64
Exons	457..983, 1100..1751		

Seq. No.	10165	Seq. ID	OJ990330_05.9819.C45
Gene No.	21591	Strand	+
Start	8434	End	9769
Name	OJ990330_05.9819.C45.o4.np	Method	AAT/NAP
Start	8347	End	8985
GI	5042454	Score	150
Exons	8347..8515, 8925..8985		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	10165	Seq. ID	OJ990330_05.9819.C45
Gene No.	21591	Strand	+
Start	8434	End	9769
Name	OJ990330_05.9819.C45.o2.gs	Method	GENSCAN
Start	8434	End	9769
GI	none	Score	.81
Exons	8434..8525, 8649..8706, 8941..	9102, 9566..9769	

Seq. No.	10165	Seq. ID	OJ990330_05.9819.C45
Gene No.	21592	Strand	+
Start	12666	End	13064
Name	OJ990330_05.9819.C45.o3.gp	Method	AAT/GAP
Start	12666	End	13064
GI	uC-osflm202002b08b1	Score	601
Exons	12666..13064		

GI Descrip.	'4587550/gb|AAD25781.1|AC006577_17 6.0e-11 (AC006577) EST gb_R64848 comes from this gene. [Arabidopsis thaliana]'		
Seq. No.	10165	Seq. ID	OJ990330_05.9819.C45
Gene No.	21593	Strand	-
Start	94	End	7254
Name	OJ990330_05.9819.C45.o1.np	Method	AAT/NAP
Start	94	End	1335
GI	2792210	Score	539
Exons	94..228, 283..1335		
GI Descrip.	(AF032683) NBS-LRR type resistance protein [Hordeum vulgare]		
Seq. No.	10165	Seq. ID	OJ990330_05.9819.C45
Gene No.	21593	Strand	-
Start	94	End	7254
Name	OJ990330_05.9819.C45.o1.gs	Method	GENSCAN
Start	188	End	7254
GI	none	Score	.47
Exons	188..1824, 2353..2645, 3492..3528, 3728..3775, 3797..3895, 4036..4305, 4383..4490, 6275..6355, 6443..6635, 6752..7254		
Seq. No.	10165	Seq. ID	OJ990330_05.9819.C45
Gene No.	21593	Strand	-
Start	94	End	7254
Name	OJ990330_05.9819.C45.o1.gp	Method	AAT/GAP
Start	3635	End	4512
GI	43388_1.R1084	Score	885
Exons	3635..3775, 4036..4305, 4383..4512		
GI Descrip.	'3395429 3.0e-23 (AC004683) hypothetical protein [Arabidopsis thaliana]'		
Seq. No.	10165	Seq. ID	OJ990330_05.9819.C45
Gene No.	21593	Strand	-
Start	94	End	7254
Name	OJ990330_05.9819.C45.o2.np	Method	AAT/NAP
Start	3675	End	7254
GI	3395429	Score	349
Exons	3675..3775, 4036..4322, 4400..4490, 6257..6355, 6443..6576, 6732..7093, 7127..7254.		
GI Descrip.	(AC004683) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	10165	Seq. ID	OJ990330_05.9819.C45
Gene No.	21593	Strand	-
Start	94	End	7254
Name	OJ990330_05.9819.C45.o2.gp	Method	AAT/GAP
Start	6830	End	7133
GI	uC-osrocyp026e06a1	Score	573
Exons	6830..7133		
GI Descrip.	'3176667 1.0e-17 (AC004393) Similar to hypothetical 41.9KD protein gb_1001369 from sequence of Synechocystis sp. gb_D64006. [Arabidopsis thaliana]'		
Seq. No.	10165	Seq. ID	OJ990330_05.9819.C45
Gene No.	21594	Strand	-
Start	10569	End	13589
Name	OJ990330_05.9819.C45.o1.ts	Method	TBLASTX:Soybean
Start	280	End	651

GI	none	Score	249
Exons	280..651		

Seq. No.	10165	Seq. ID	OJ990330_05.9819.C45
Gene No.	21594	Strand	-
Start	10569	End	13589
Name	OJ990330_05.9819.C45.o2.ts	Method	TBLASTX:Soybean
Start	793	End	1149
GI	none	Score	69
Exons	793..879, 800..895, 895..975, 991..1080, 998..1114, 1084..1149		

Seq. No.	10165	Seq. ID	OJ990330_05.9819.C45
Gene No.	21594	Strand	-
Start	10569	End	13589
Name	OJ990330_05.9819.C45.o3.tm	Method	TBLASTX:Maize
Start	817	End	1156
GI	none	Score	65
Exons	817..972, 823..942, 991..1155, 1013..1069, 1124..1156		

Seq. No.	10165	Seq. ID	OJ990330_05.9819.C45
Gene No.	21594	Strand	-
Start	10569	End	13589
Name	OJ990330_05.9819.C45.o1.tm	Method	TBLASTX:Maize
Start	3677	End	4261
GI	none	Score	69
Exons	3677..3769, 3679..3777, 3993..4250, 4029..4259, 4034..4261, 4036..4260		

Seq. No.	10165	Seq. ID	OJ990330_05.9819.C45
Gene No.	21594	Strand	-
Start	10569	End	13589
Name	OJ990330_05.9819.C45.o2.tm	Method	TBLASTX:Maize
Start	6808	End	7065
GI	none	Score	43
Exons	6808..7065, 6845..6877, 6950..6988		

Seq. No.	10165	Seq. ID	OJ990330_05.9819.C45
Gene No.	21594	Strand	-
Start	10569	End	13589
Name	OJ990330_05.9819.C45.o3.gs	Method	GENSCAN
Start	10569	End	13589
GI	none	Score	.8
Exons	10569..10990, 11065..11252, 13576..13589		

Seq. No.	10166	Seq. ID	OJ990330_05.9819.C46
Gene No.	21595	Strand	+
Start	1	End	2700
Name	OJ990330_05.9819.C46.o1.np	Method	AAT/NAP
Start	1	End	2302
GI	4544372	Score	664
Exons	1..282, 403..2302		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	10166	Seq. ID	OJ990330_05.9819.C46
Gene No.	21595	Strand	+
Start	1	End	2700

Name	OJ990330_05.9819.C46.o1.gs	Method	GENSCAN
Start	546	End	2700
GI	none	Score	.59
Exons	546..959, 1053..1241, 1490..1573, 2030..2165, 2387..2700		

Seq. No.	10166	Seq. ID	OJ990330_05.9819.C46
Gene No.	21596	Strand	-
Start	56	End	668
Name	OJ990330_05.9819.C46.o1.gp	Method	AAT/GAP
Start	56	End	325
GI	5455576	Score	382
Exons	56..325		
GI Descrip.	4544372/gb|AAD22283.1|AC006920_7 6.0e-26 (AC006920) putative reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	10166	Seq. ID	OJ990330_05.9819.C46
Gene No.	21596	Strand	-
Start	56	End	668
Name	OJ990330_05.9819.C46.o1.ts	Method	TBLASTX:Soybean
Start	188	End	605
GI	none	Score	183
Exons	188..304, 189..326, 189..326, 362..430, 363..605, 488..601		

Seq. No.	10166	Seq. ID	OJ990330_05.9819.C46
Gene No.	21596	Strand	-
Start	56	End	668
Name	OJ990330_05.9819.C46.o1.tw	Method	TBLASTX:Wheat
Start	234	End	668
GI	none	Score	82
Exons	234..323, 377..451, 384..668, 482..583		

Seq. No.	10166	Seq. ID	OJ990330_05.9819.C46
Gene No.	21597	Strand	
Start	1319	End	1840
Name	OJ990330_05.9819.C46.o1.tm	Method	TBLASTX:Maize
Start	1319	End	1699
GI	none	Score	81
Exons	1319..1480, 1475..1699		

Seq. No.	10166	Seq. ID	OJ990330_05.9819.C46
Gene No.	21597	Strand	
Start	1319	End	1840
Name	OJ990330_05.9819.C46.o2.ts	Method	TBLASTX:Soybean
Start	1325	End	1720
GI	none	Score	242
Exons	1325..1720, 1358..1603, 1426..1620		

Seq. No.	10166	Seq. ID	OJ990330_05.9819.C46
Gene No.	21597	Strand	
Start	1319	End	1840
Name	OJ990330_05.9819.C46.o2.tw	Method	TBLASTX:Wheat
Start	1481	End	1840
GI	none	Score	184
Exons	1481..1840		

Seq. No.	10166	Seq. ID	OJ990330_05.9819.C46
Gene No.	21598	Strand	

Start	2063	End	2308
Name	OJ990330_05.9819.C46.o3.ts	Method	TBLASTX:Soybean
Start	2063	End	2308
GI	none	Score	234
Exons	2063..2308, 2077..2193, 2269..2304		

Seq. No.	10167	Seq. ID	OJ990330_05.9819.C49
Gene No.	21599	Strand	+
Start	168	End	1185
Name	OJ990330_05.9819.C49.o1.gs	Method	GENSCAN
Start	168	End	1185
GI	none	Score	.9
Exons	168..213, 1022..1185		

Seq. No.	10167	Seq. ID	OJ990330_05.9819.C49
Gene No.	21600	Strand	+
Start	1713	End	2257
Name	OJ990330_05.9819.C49.o2.gs	Method	GENSCAN
Start	1713	End	2257
GI	none	Score	.86
Exons	1713..1922, 2120..2257		

Seq. No.	10168	Seq. ID	OJ990330_05.9819.C50
Gene No.	21601	Strand	-
Start	1385	End	2383
Name	OJ990330_05.9819.C50.o1.gs	Method	GENSCAN
Start	1385	End	2383
GI	none	Score	.73
Exons	1385..1637, 1773..2096, 2106..2383		

Seq. No.	10169	Seq. ID	OJ990330_05.9819.C51
Gene No.	21602	Strand	+
Start	1223	End	2029
Name	OJ990330_05.9819.C51.o1.gp	Method	AAT/GAP
Start	1223	End	2027
GI	30324_1.R1084	Score	1010
Exons	1223..1527, 1667..1817, 1918..2027		
GI Descrip.	'4544372/gb|AAD22283.1|AC006920_7 6.0e-26 (AC006920) putative reverse transcriptase [Arabidopsis thaliana]'		

Seq. No.	10169	Seq. ID	OJ990330_05.9819.C51
Gene No.	21602	Strand	+
Start	1223	End	2029
Name	OJ990330_05.9819.C51.o1.ts	Method	TBLASTX:Soybean
Start	1333	End	2017
GI	none	Score	254
Exons	1333..1527, 1359..1532, 1666..1752, 1667..1810, 1913..2017, 1917..2015		

Seq. No.	10169	Seq. ID	OJ990330_05.9819.C51
Gene No.	21602	Strand	+
Start	1223	End	2029
Name	OJ990330_05.9819.C51.o1.tc	Method	TBLASTX:Cress
Start	1357	End	2017
GI	none	Score	238
Exons	1357..1524, 1359..1532, 1666..1752, 1667..1753, 1895..2017, 1917..2015		

Seq. No.	10169	Seq. ID	OJ990330_05.9819.C51
Gene No.	21602	Strand	+
Start	1223	End	2029
Name	OJ990330_05.9819.C51.o1.tm	Method	TBLASTX:Maize
Start	1357	End	2029
GI	none	Score	264
Exons	1357..1527, 1359..1529, 1363..1470, 1666..1806, 1667..1807, 1667..1834, 1907..2029, 1917..2015		

Seq. No.	10169	Seq. ID	OJ990330_05.9819.C51
Gene No.	21602	Strand	+
Start	1223	End	2029
Name	OJ990330_05.9819.C51.o1.gs	Method	GENSCAN
Start	1360	End	1817
GI	none	Score	.98
Exons	1360..1527, 1667..1817		

Seq. No.	10170	Seq. ID	OJ990330_05.9819.C53
Gene No.	21603	Strand	+
Start	119	End	967
Name	OJ990330_05.9819.C53.o1.ts	Method	TBLASTX:Soybean
Start	104	End	472
GI	none	Score	148
Exons	104..322, 338..472		

Seq. No.	10170	Seq. ID	OJ990330_05.9819.C53
Gene No.	21603	Strand	+
Start	119	End	967
Name	OJ990330_05.9819.C53.o1.gs	Method	GENSCAN
Start	119	End	807
GI	none	Score	.44
Exons	119..329, 405..581, 630..729, 780..807		

Seq. No.	10170	Seq. ID	OJ990330_05.9819.C53
Gene No.	21603	Strand	+
Start	119	End	967
Name	OJ990330_05.9819.C53.o1.np	Method	AAT/NAP
Start	119	End	967
GI	5902445	Score	457
Exons	119..815, 914..967		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	10170	Seq. ID	OJ990330_05.9819.C53
Gene No.	21603	Strand	+
Start	119	End	967
Name	OJ990330_05.9819.C53.o1.tw	Method	TBLASTX:Wheat
Start	266	End	675
GI	none	Score	592
Exons	266..673, 286..606, 289..675, 395..622		

Seq. No.	10170	Seq. ID	OJ990330_05.9819.C53
Gene No.	21603	Strand	+
Start	119	End	967
Name	OJ990330_05.9819.C53.o2.tm	Method	TBLASTX:Maize
Start	326	End	541
GI	none	Score	291

Exons	326..541, 328..540, 329..541		
Seq. No.	10170	Seq. ID	OJ990330_05.9819.C53
Gene No.	21603	Strand	+
Start	119	End	967
Name	OJ990330_05.9819.C53.o1.tm	Method	TBLASTX:Maize
Start	542	End	808
GI	none	Score	382
Exons	542..808, 542..805		
Seq. No.	10171	Seq. ID	OJ990330_05.9819.C55
Gene No.	21604	Strand	+
Start	165	End	1116
Name	OJ990330_05.9819.C55.o1.gs	Method	GENSCAN
Start	165	End	1116
GI	none	Score	.58
Exons	165..336, 1097..1116		
Seq. No.	10171	Seq. ID	OJ990330_05.9819.C55
Gene No.	21605	Strand	-
Start	2808	End	3013
Name	OJ990330_05.9819.C55.o2.gs	Method	GENSCAN
Start	2808	End	3013
GI	none	Score	.64
Exons	2808..3013		
Seq. No.	10172	Seq. ID	OJ990330_05.9819.C56
Gene No.	21606	Strand	+
Start	1	End	1675
Name	OJ990330_05.9819.C56.o1.gp	Method	AAT/GAP
Start	1	End	754
GI	7388_1.R1084	Score	1425
Exons	1..754		
GI Descrip.	'3176664 2.0e-29 (AC004393) Contains similarity to beta scruin gb_Z47541 from Limulus polyphemus. ESTs gb_T04493 and gb_AA585955 come from this gene. [Arabidopsis thaliana]'		
Seq. No.	10172	Seq. ID	OJ990330_05.9819.C56
Gene No.	21606	Strand	+
Start	1	End	1675
Name	OJ990330_05.9819.C56.o1.gs	Method	GENSCAN
Start	286	End	1675
GI	none	Score	.76
Exons	286..815, 1048..1675		
Seq. No.	10172	Seq. ID	OJ990330_05.9819.C56
Gene No.	21606	Strand	+
Start	1	End	1675
Name	OJ990330_05.9819.C56.o1.np	Method	AAT/NAP
Start	325	End	1672
GI	6382520	Score	1053
Exons	325..815, 1048..1672		
GI Descrip.	(AC011020) unknown protein [Arabidopsis thaliana]		
Seq. No.	10172	Seq. ID	OJ990330_05.9819.C56
Gene No.	21607	Strand	-
Start	1477	End	2016

Name	OJ990330_05.9819.C56.o3.tm	Method	TBLASTX:Maize
Start	12	End	212
GI	none	Score	210
Exons	12..212, 14..202		

Seq. No.	10172	Seq. ID	OJ990330_05.9819.C56
Gene No.	21607	Strand	-
Start	1477	End	2016
Name	OJ990330_05.9819.C56.o1.tc	Method	TBLASTX:Cress
Start	426	End	603
GI	none	Score	191
Exons	426..602, 427..603		

Seq. No.	10172	Seq. ID	OJ990330_05.9819.C56
Gene No.	21607	Strand	-
Start	1477	End	2016
Name	OJ990330_05.9819.C56.o2.ts	Method	TBLASTX:Soybean
Start	433	End	653
GI	none	Score	252
Exons	433..648, 435..653, 436..648		

Seq. No.	10172	Seq. ID	OJ990330_05.9819.C56
Gene No.	21607	Strand	-
Start	1477	End	2016
Name	OJ990330_05.9819.C56.o1.tm	Method	TBLASTX:Maize
Start	586	End	1342
GI	none	Score	353
Exons	586..819, 587..832, 588..833, 1045..1269, 1046..1267, 1057..1269, 1172..1276, 1310..1342		

Seq. No.	10172	Seq. ID	OJ990330_05.9819.C56
Gene No.	21607	Strand	-
Start	1477	End	2016
Name	OJ990330_05.9819.C56.o1.ts	Method	TBLASTX:Soybean
Start	1231	End	1687
GI	none	Score	623
Exons	1231..1674, 1232..1675, 1233..1676, 1259..1687		

Seq. No.	10172	Seq. ID	OJ990330_05.9819.C56
Gene No.	21607	Strand	-
Start	1477	End	2016
Name	OJ990330_05.9819.C56.o2.tm	Method	TBLASTX:Maize
Start	1474	End	1687
GI	none	Score	262
Exons	1474..1677, 1475..1675, 1478..1687		

Seq. No.	10172	Seq. ID	OJ990330_05.9819.C56
Gene No.	21607	Strand	-
Start	1477	End	2016
Name	OJ990330_05.9819.C56.o2.gp	Method	AAT/GAP
Start	1477	End	2016
GI	2509_1.R1084	Score	947
Exons	1477..2016		
GI Descrip.	'4587550/gb|AAD25781.1|AC006577_17 6.0e-11 (AC006577) EST gb_R64848 comes from this gene. [Arabidopsis thaliana]'		

Seq. No.	10173	Seq. ID	OJ990330_05.9819.C57

Gene No.	21608	Strand	+
Start	1256	End	5189
Name	OJ990330_05.9819.C57.o1.gs	Method	GENSCAN
Start	1256	End	4947
GI	none	Score	.78
Exons	1256..1337, 1694..1855, 3540..3685, 4119..4172, 4449..4529, 4607..4652, 4915..4947		

Seq. No.	10173	Seq. ID	OJ990330_05.9819.C57
Gene No.	21608	Strand	+
Start	1256	End	5189
Name	OJ990330_05.9819.C57.o1.np	Method	AAT/NAP
Start	1985	End	5189
GI	119791	Score	467
Exons	1985..2027, 3482..3685, 4119..4172, 4449..4529, 4607..4652, 4745..4839, 4915..4947, 5064..5189		
GI Descrip.	3-OXOACYL-[ACYL-CARRIER PROTEIN] REDUCTASE PRECURSOR (3-KETOACYL-ACYL CARRIER PROTEIN REDUCTASE) gi|1084385|pir||S22450 3-oxoacyl-[acyl-carrier-protein] reductase (EC 1.1.1.100) precursor - Cuphea lanceolata gi|18046|emb|CAA45866| (X64566) 3-oxoacyl-[acyl-carrier protein] reductase [Cuphea lanceolata] gi|228929|prf||1814446A beta ketoacyl-ACP reductase [Cuphea lanc		

Seq. No.	10173	Seq. ID	OJ990330_05.9819.C57
Gene No.	21608	Strand	+
Start	1256	End	5189
Name	OJ990330_05.9819.C57.o1.tm	Method	TBLASTX:Maize
Start	3602	End	5152
GI	none	Score	131
Exons	3602..3688, 3607..3687, 4116..4178, 4446..4529, 4446..4529, 4447..4530, 4448..4531, 4597..4671, 4607..4678, 4739..4846, 4741..4839, 4743..4847, 4743..4847, 4903..4947, 4908..4958, 5057..5152, 5064..5138		

Seq. No.	10173	Seq. ID	OJ990330_05.9819.C57
Gene No.	21608	Strand	+
Start	1256	End	5189
Name	OJ990330_05.9819.C57.o1.ts	Method	TBLASTX:Soybean
Start	3602	End	5138
GI	none	Score	129
Exons	3602..3688, 3607..3687, 4116..4178, 4446..4526, 4448..4528, 4448..4525, 4595..4663, 4610..4654, 4611..4655, 4741..4839, 4743..4835, 5049..5138, 5051..5134		

Seq. No.	10174	Seq. ID	OJ990330_05.9819.C58
Gene No.	21609	Strand	-
Start	211	End	334
Name	OJ990330_05.9819.C58.o1.gs	Method	GENSCAN
Start	211	End	334
GI	none	Score	.88
Exons	211..334		

Seq. No.	10175	Seq. ID	OJ990330_05.9819.C61
Gene No.	21610	Strand	-
Start	61	End	3973
Name	OJ990330_05.9819.C61.o1.np	Method	AAT/NAP

Start	61	End	2147
GI	2149051	Score	962
Exons	61..127, 218..295, 381..560, 636..725, 1304..1421, 1510..1566, 2075..2147		
GI Descrip.	(U73810) small Ras-like GTP-binding protein [Arabidopsis thaliana]		

Seq. No.	10175	Seq. ID	OJ990330_05.9819.C61
Gene No.	21610	Strand	-
Start	61	End	3973
Name	OJ990330_05.9819.C61.o1.tw	Method	TBLASTX:Wheat
Start	72	End	2329
GI	none	Score	38
Exons	72..107, 217..294, 218..295, 377..562, 380..562, 381..563, 381..566, 382..564, 635..724, 635..724, 636..725, 636..725, 637..726, 1303..1416, 1304..1351, 1306..1419, 1343..1426, 1511..1567, 1519..1566, 1533..1595, 2082..2144, 2091..2144, 2092..2145, 2234..2329		

Seq. No.	10175	Seq. ID	OJ990330_05.9819.C61
Gene No.	21610	Strand	-
Start	61	End	3973
Name	OJ990330_05.9819.C61.o1.ts	Method	TBLASTX:Soybean
Start	217	End	2145
GI	none	Score	96
Exons	217..294, 218..295, 374..562, 380..565, 381..563, 626..724, 627..725, 634..729, 642..725, 652..726, 1304..1411, 1306..1419, 1343..1426, 1511..1567, 1512..1568, 1533..1595, 2070..2135, 2091..2144, 2092..2145		

Seq. No.	10175	Seq. ID	OJ990330_05.9819.C61
Gene No.	21610	Strand	-
Start	61	End	3973
Name	OJ990330_05.9819.C61.o1.tm	Method	TBLASTX:Maize
Start	217	End	2145
GI	none	Score	71
Exons	217..294, 218..295, 380..562, 381..563, 381..566, 382..564, 635..724, 636..725, 651..725, 664..726, 1303..1416, 1304..1351, 1306..1419, 1343..1426, 1511..1567, 1533..1595, 2073..2144, 2091..2144, 2092..2145		

Seq. No.	10175	Seq. ID	OJ990330_05.9819.C61
Gene No.	21610	Strand	-
Start	61	End	3973
Name	OJ990330_05.9819.C61.o1.tc	Method	TBLASTX:Cress
Start	217	End	1368
GI	none	Score	87
Exons	217..294, 218..295, 380..562, 381..563, 396..566, 397..564, 397..570, 635..724, 636..725, 637..732, 1303..1368, 1304..1351, 1306..1368		

Seq. No.	10175	Seq. ID	OJ990330_05.9819.C61
Gene No.	21610	Strand	-
Start	61	End	3973
Name	OJ990330_05.9819.C61.o1.gs	Method	GENSCAN
Start	218	End	3973
GI	none	Score	.52

Exons	218..295, 381..560, 636..725, 1304..1421, 1510..1566, 2075..2144, 3457..3779, 3781..3973		
Seq. No.	10175	Seq. ID	OJ990330_05.9819.C61
Gene No.	21610	Strand	-
Start	61	End	3973
Name	OJ990330_05.9819.C61.o1.gp	Method	AAT/GAP
Start	514	End	2376
GI	30676_1.R1084	Score	863
Exons	514..560, 636..725, 1304..1421, 1510..1566, 2075..2144, 2255..2376		
GI Descrip.	'2507281/sp|P41917|RAN2_ARATH 5.0e-55 GTP-BINDING NUCLEAR PROTEIN RAN-2 >gi_1668706_emb_CAA66048_ (X97380) atran2 [Arabidopsis thaliana]'		
Seq. No.	10176	Seq. ID	OJ990330_05.9819.C62
Gene No.	21611	Strand	-
Start	1011	End	2104
Name	OJ990330_05.9819.C62.o1.gp	Method	AAT/GAP
Start	577	End	1442
GI	32788_1.R1084	Score	1577
Exons	577..1442		
GI Descrip.	'3043426/emb|CAA06490| 2.0e-40 (AJ005345) hypothetical protein [Cicer arietinum]'		
Seq. No.	10176	Seq. ID	OJ990330_05.9819.C62
Gene No.	21611	Strand	-
Start	1011	End	2104
Name	OJ990330_05.9819.C62.o1.tm	Method	TBLASTX:Maize
Start	750	End	2073
GI	none	Score	63
Exons	750..875, 778..897, 1017..1553, 1039..1548, 1447..1563, 1554..1652, 1557..1784, 1558..1770, 1752..2057, 1774..2073		
Seq. No.	10176	Seq. ID	OJ990330_05.9819.C62
Gene No.	21611	Strand	-
Start	1011	End	2104
Name	OJ990330_05.9819.C62.o1.gs	Method	GENSCAN
Start	1011	End	2056
GI	none	Score	.94
Exons	1011..2056		
Seq. No.	10176	Seq. ID	OJ990330_05.9819.C62
Gene No.	21611	Strand	-
Start	1011	End	2104
Name	OJ990330_05.9819.C62.o1.ts	Method	TBLASTX:Soybean
Start	1035	End	2061
GI	none	Score	63
Exons	1035..1094, 1045..1110, 1134..1748, 1135..1749, 1749..2030, 1750..2022, 1992..2057, 2023..2061		
Seq. No.	10176	Seq. ID	OJ990330_05.9819.C62
Gene No.	21611	Strand	-
Start	1011	End	2104
Name	OJ990330_05.9819.C62.o1.np	Method	AAT/NAP
Start	1038	End	2104
GI	1621268	Score	1264

Exons	1038..2104		
GI Descrip.	(Z81012) unknown [Ricinus communis]		
Seq. No.	10176	Seq. ID	OJ990330_05.9819.C62
Gene No.	21611	Strand	-
Start	1011	End	2104
Name	OJ990330_05.9819.C62.o1.tc	Method	TBLASTX:Cress
Start	1068	End	1758
GI	none	Score	523
Exons	1068..1091, 1095..1757, 1096..1758		
Seq. No.	10176	Seq. ID	OJ990330_05.9819.C62
Gene No.	21611	Strand	-
Start	1011	End	2104
Name	OJ990330_05.9819.C62.o1.tw	Method	TBLASTX:Wheat
Start	1518	End	1790
GI	none	Score	108
Exons	1518..1586, 1548..1790, 1549..1788		
Seq. No.	10176	Seq. ID	OJ990330_05.9819.C62
Gene No.	21611	Strand	-
Start	1011	End	2104
Name	OJ990330_05.9819.C62.o2.tc	Method	TBLASTX:Cress
Start	1758	End	2064
GI	none	Score	216
Exons	1758..2021, 1759..2031, 2007..2057, 2011..2064		
Seq. No.	10177	Seq. ID	OJ990330_05.9819.C63
Gene No.	21612	Strand	-
Start	702	End	777
Name	OJ990330_05.9819.C63.o1.gs	Method	GENSCAN
Start	702	End	777
GI	none	Score	1
Exons	702..777		
Seq. No.	10177	Seq. ID	OJ990330_05.9819.C63
Gene No.	21613	Strand	-
Start	702	End	900
Name	OJ990330_05.9819.C63.o1.gp	Method	AAT/GAP
Start	702	End	900
GI	41091_2.R1084	Score	304
Exons	702..900		
GI Descrip.	'1621268/emb|CAB02653| 1.0e-86 (Z81012) unknown [Ricinus communis]'		
Seq. No.	10177	Seq. ID	OJ990330_05.9819.C63
Gene No.	21614	Strand	-
Start	949	End	1556
Name	OJ990330_05.9819.C63.o2.gs	Method	GENSCAN
Start	949	End	1556
GI	none	Score	.54
Exons	949..1075, 1129..1264, 1449..1556		
Seq. No.	10178	Seq. ID	OJ990330_05.9819.C66
Gene No.	21615	Strand	-
Start	1	End	2119
Name	OJ990330_05.9819.C66.o1.np	Method	AAT/NAP

Start	1	End	2119
GI	5042463	Score	134
Exons	1..36, 715..812, 864..1038, 1701..1867, 1961..2119		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	10179	Seq. ID	OJ990330_05.9819.C68
Gene No.	21616	Strand	+
Start	111	End	3816
Name	OJ990330_05.9819.C68.o1.np	Method	AAT/NAP
Start	111	End	3816
GI	3551950	Score	189
Exons	111..183, 3107..3169, 3570..3816		
GI Descrip.	(AF082028) senescence-associated protein 3 [Hemerocallis hybrid cultivar]		

Seq. No.	10179	Seq. ID	OJ990330_05.9819.C68
Gene No.	21616	Strand	+
Start	111	End	3816
Name	OJ990330_05.9819.C68.o1.gs	Method	GENSCAN
Start	293	End	1185
GI	none	Score	.9
Exons	293..485, 725..1185		

Seq. No.	10179	Seq. ID	OJ990330_05.9819.C68
Gene No.	21616	Strand	+
Start	111	End	3816
Name	OJ990330_05.9819.C68.o1.tm	Method	TBLASTX:Maize
Start	3555	End	3773
GI	none	Score	240
Exons	3555..3728, 3557..3754, 3558..3773		

Seq. No.	10179	Seq. ID	OJ990330_05.9819.C68
Gene No.	21616	Strand	+
Start	111	End	3816
Name	OJ990330_05.9819.C68.o1.ts	Method	TBLASTX:Soybean
Start	3567	End	3782
GI	none	Score	207
Exons	3567..3782, 3581..3685		

Seq. No.	10179	Seq. ID	OJ990330_05.9819.C68
Gene No.	21616	Strand	+
Start	111	End	3816
Name	OJ990330_05.9819.C68.o1.tc	Method	TBLASTX:Cress
Start	3573	End	3797
GI	none	Score	209
Exons	3573..3797		

Seq. No.	10180	Seq. ID	OJ990330_05.9819.C70
Gene No.	21617	Strand	
Start	970	End	1338
Name	OJ990330_05.9819.C70.o1.tm	Method	TBLASTX:Maize
Start	970	End	1338
GI	none	Score	157
Exons	970..1095, 987..1094, 1120..1338, 1125..1241		

Seq. No.	10181	Seq. ID	OJ990330_05.9819.C71
Gene No.	21618	Strand	-

Start	1	End	764
Name	OJ990330_05.9819.C71.o1.np	Method	AAT/NAP
Start	1	End	764
GI	5902445	Score	1002
Exons	1..764		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	10181	Seq. ID	OJ990330_05.9819.C71
Gene No.	21618	Strand	-
Start	1	End	764
Name	OJ990330_05.9819.C71.o1.tm	Method	TBLASTX:Maize
Start	72	End	345
GI	none	Score	220
Exons	72..344, 79..345		

Seq. No.	10181	Seq. ID	OJ990330_05.9819.C71
Gene No.	21618	Strand	-
Start	1	End	764
Name	OJ990330_05.9819.C71.o1.tw	Method	TBLASTX:Wheat
Start	72	End	449
GI	none	Score	79
Exons	72..449, 79..324		

Seq. No.	10181	Seq. ID	OJ990330_05.9819.C71
Gene No.	21618	Strand	-
Start	1	End	764
Name	OJ990330_05.9819.C71.o2.tw	Method	TBLASTX:Wheat
Start	507	End	728
GI	none	Score	97
Exons	507..725, 513..728		

Seq. No.	10182	Seq. ID	OJ990330_05.9819.C72
Gene No.	21619	Strand	-
Start	83	End	728
Name	OJ990330_05.9819.C72.o1.tm	Method	TBLASTX:Maize
Start	72	End	431
GI	none	Score	64
Exons	72..116, 74..118, 74..121, 153..212, 155..187, 188..316, 189..290, 221..316, 408..431		

Seq. No.	10182	Seq. ID	OJ990330_05.9819.C72
Gene No.	21619	Strand	-
Start	83	End	728
Name	OJ990330_05.9819.C72.o1.gs	Method	GENSCAN
Start	83	End	728
GI	none	Score	.67
Exons	83..340, 430..602, 725..728		

Seq. No.	10183	Seq. ID	OJ990330_05.9819.C75
Gene No.	21620	Strand	+
Start	221	End	406
Name	OJ990330_05.9819.C75.o1.gs	Method	GENSCAN
Start	221	End	406
GI	none	Score	.93
Exons	221..406		

Seq. No.	10183	Seq. ID	OJ990330_05.9819.C75

Gene No.	21620	Strand	+
Start	221	End	406
Name	OJ990330_05.9819.C75.o1.tm	Method	TBLASTX:Maize
Start	226	End	351
GI	none	Score	180
Exons	226..351, 227..349		

Seq. No.	10184	Seq. ID	OJ990330_05.9819.C76
Gene No.	21621	Strand	+
Start	613	End	1236
Name	OJ990330_05.9819.C76.o1.gs	Method	GENSCAN
Start	613	End	1236
GI	none	Score	.92
Exons	613..1236		

Seq. No.	10184	Seq. ID	OJ990330_05.9819.C76
Gene No.	21622	Strand	-
Start	595	End	5876
Name	OJ990330_05.9819.C76.o1.tm	Method	TBLASTX:Maize
Start	592	End	3536
GI	none	Score	87
Exons	592..630, 682..750, 757..843, 757..1182, 881..1168, 3042..3218, 3042..3125, 3044..3217, 3204..3536, 3218..3535		

Seq. No.	10184	Seq. ID	OJ990330_05.9819.C76
Gene No.	21622	Strand	-
Start	595	End	5876
Name	OJ990330_05.9819.C76.o1.np	Method	AAT/NAP
Start	595	End	3658
GI	3915029	Score	1262
Exons	595..1164, 3044..3658		
GI Descrip.	ACYL-[ACYL-CARRIER PROTEIN] DESATURASE PRECURSOR (STEAROYL-ACP DESATURASE) gi|976257|dbj|BAA07631| (D38753) stearyl-ACP desaturase [Oryza sativa]		

Seq. No.	10184	Seq. ID	OJ990330_05.9819.C76
Gene No.	21622	Strand	-
Start	595	End	5876
Name	OJ990330_05.9819.C76.o1.tc	Method	TBLASTX:Cress
Start	682	End	3585
GI	none	Score	49
Exons	682..750, 757..1182, 766..837, 881..1168, 3042..3218, 3044..3217, 3204..3554, 3218..3535, 3544..3585		

Seq. No.	10184	Seq. ID	OJ990330_05.9819.C76
Gene No.	21622	Strand	-
Start	595	End	5876
Name	OJ990330_05.9819.C76.o1.ts	Method	TBLASTX:Soybean
Start	682	End	3629
GI	none	Score	47
Exons	682..750, 757..1182, 767..820, 881..1168, 3042..3218, 3044..3217, 3204..3461, 3218..3460, 3443..3535, 3455..3601, 3459..3629, 3546..3605		

Seq. No.	10184	Seq. ID	OJ990330_05.9819.C76
Gene No.	21622	Strand	-
Start	595	End	5876

Name	OJ990330_05.9819.C76.o1.tw	Method	TBLASTX:Wheat
Start	703	End	1056
GI	none	Score	94
Exons	703..750, 757..837, 757..1056, 881..982		

Seq. No.	10184	Seq. ID	OJ990330_05.9819.C76
Gene No.	21622	Strand	-
Start	595	End	5876
Name	OJ990330_05.9819.C76.o2.gs	Method	GENSCAN
Start	2360	End	5876
GI	none	Score	.63
Exons	2360..2524, 3044..3567, 4196..4292, 5534..5693, 5803..5876		

Seq. No.	10185	Seq. ID	OJ990330_05.9819.C78
Gene No.	21623	Strand	-
Start	122	End	826
Name	OJ990330_05.9819.C78.o1.np	Method	AAT/NAP
Start	122	End	826
GI	6498441	Score	1036
Exons	122..826		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	10185	Seq. ID	OJ990330_05.9819.C78
Gene No.	21623	Strand	-
Start	122	End	826
Name	OJ990330_05.9819.C78.o1.gs	Method	GENSCAN
Start	171	End	802
GI	none	Score	.6
Exons	171..470, 579..714, 728..802		

Seq. No.	10185	Seq. ID	OJ990330_05.9819.C78
Gene No.	21623	Strand	-
Start	122	End	826
Name	OJ990330_05.9819.C78.o1.tw	Method	TBLASTX:Wheat
Start	376	End	764
GI	none	Score	101
Exons	376..633, 410..649, 616..702, 617..700, 720..764		

Seq. No.	10186	Seq. ID	OJ990330_05.9819.C79
Gene No.	21624	Strand	-
Start	1	End	1212
Name	OJ990330_05.9819.C79.o1.np	Method	AAT/NAP
Start	1	End	1212
GI	6498441	Score	1789
Exons	1..1212		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	10186	Seq. ID	OJ990330_05.9819.C79
Gene No.	21624	Strand	-
Start	1	End	1212
Name	OJ990330_05.9819.C79.o1.gs	Method	GENSCAN
Start	36	End	1129
GI	none	Score	.91

Exons	36..1129		
Seq. No.	10186	Seq. ID	OJ990330_05.9819.C79
Gene No.	21624	Strand	-
Start	1	End	1212
Name	OJ990330_05.9819.C79.o1.tw	Method	TBLASTX:Wheat
Start	96	End	487
GI	none	Score	50
Exons	96..152, 98..487, 174..464		
Seq. No.	10186	Seq. ID	OJ990330_05.9819.C79
Gene No.	21624	Strand	-
Start	1	End	1212
Name	OJ990330_05.9819.C79.o1.tm	Method	TBLASTX:Maize
Start	128	End	490
GI	none	Score	99
Exons	128..175, 147..281, 158..370, 167..490, 180..473		
Seq. No.	10186	Seq. ID	OJ990330_05.9819.C79
Gene No.	21624	Strand	-
Start	1	End	1212
Name	OJ990330_05.9819.C79.o2.tw	Method	TBLASTX:Wheat
Start	764	End	1136
GI	none	Score	109
Exons	764..937, 807..1025, 922..1059, 998..1135, 1047..1136		
Seq. No.	10187	Seq. ID	OJ990330_05.9819.C80
Gene No.	21625	Strand	-
Start	1	End	2076
Name	OJ990330_05.9819.C80.o1.np	Method	AAT/NAP
Start	1	End	2024
GI	6498441	Score	2197
Exons	1..42, 147..630, 806..940, 1124..1497, 1561..2024		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		
Seq. No.	10187	Seq. ID	OJ990330_05.9819.C80
Gene No.	21625	Strand	-
Start	1	End	2076
Name	OJ990330_05.9819.C80.o4.tw	Method	TBLASTX:Wheat
Start	414	End	669
GI	none	Score	113
Exons	414..668, 415..669		
Seq. No.	10187	Seq. ID	OJ990330_05.9819.C80
Gene No.	21625	Strand	-
Start	1	End	2076
Name	OJ990330_05.9819.C80.o2.tm	Method	TBLASTX:Maize
Start	591	End	975
GI	none	Score	172
Exons	591..701, 697..975, 698..940		
Seq. No.	10187	Seq. ID	OJ990330_05.9819.C80
Gene No.	21625	Strand	-
Start	1	End	2076
Name	OJ990330_05.9819.C80.o1.gs	Method	GENSCAN

Start	685	End	2000
GI	none	Score	.57
Exons	685..1100, 1155..1497, 1561..2000		

Seq. No.	10187	Seq. ID	OJ990330_05.9819.C80
Gene No.	21625	Strand	-
Start	1	End	2076
Name	OJ990330_05.9819.C80.o1.ts	Method	TBLASTX:Soybean
Start	706	End	939
GI	none	Score	98
Exons	706..939, 707..922		

Seq. No.	10187	Seq. ID	OJ990330_05.9819.C80
Gene No.	21625	Strand	-
Start	1	End	2076
Name	OJ990330_05.9819.C80.o3.tw	Method	TBLASTX:Wheat
Start	715	End	1026
GI	none	Score	171
Exons	715..1026, 728..1018		

Seq. No.	10187	Seq. ID	OJ990330_05.9819.C80
Gene No.	21625	Strand	-
Start	1	End	2076
Name	OJ990330_05.9819.C80.o1.tm	Method	TBLASTX:Maize
Start	1003	End	1359
GI	none	Score	72
Exons	1003..1119, 1003..1359, 1013..1324		

Seq. No.	10187	Seq. ID	OJ990330_05.9819.C80
Gene No.	21625	Strand	-
Start	1	End	2076
Name	OJ990330_05.9819.C80.o1.tw	Method	TBLASTX:Wheat
Start	1027	End	1490
GI	none	Score	210
Exons	1027..1488, 1032..1490, 1033..1488, 1034..1489		

Seq. No.	10187	Seq. ID	OJ990330_05.9819.C80
Gene No.	21625	Strand	-
Start	1	End	2076
Name	OJ990330_05.9819.C80.o2.ts	Method	TBLASTX:Soybean
Start	1084	End	1449
GI	none	Score	117
Exons	1084..1218, 1225..1449		

Seq. No.	10187	Seq. ID	OJ990330_05.9819.C80
Gene No.	21625	Strand	-
Start	1	End	2076
Name	OJ990330_05.9819.C80.o2.tw	Method	TBLASTX:Wheat
Start	1654	End	2076
GI	none	Score	168
Exons	1654..2076, 1685..1945		

Seq. No.	10188	Seq. ID	OJ990330_05.9819.C81
Gene No.	21626	Strand	-
Start	892	End	948
Name	OJ990330_05.9819.C81.o1.gs	Method	GENSCAN
Start	892	End	948

GI	none	Score	.59
Exons	892..948		

Seq. No.	10189	Seq. ID	OJ990330_05.9819.C82
Gene No.	21627	Strand	+
Start	1	End	819
Name	OJ990330_05.9819.C82.o1.np	Method	AAT/NAP
Start	1	End	816
GI	3059131	Score	422
Exons	1..237, 558..816		
GI Descrip.	(AJ000478) cytochrome P450 [Helianthus tuberosus]		

Seq. No.	10189	Seq. ID	OJ990330_05.9819.C82
Gene No.	21627	Strand	+
Start	1	End	819
Name	OJ990330_05.9819.C82.o1.gs	Method	GENSCAN
Start	57	End	819
GI	none	Score	.83
Exons	57..232, 561..819		

Seq. No.	10189	Seq. ID	OJ990330_05.9819.C82
Gene No.	21627	Strand	+
Start	1	End	819
Name	OJ990330_05.9819.C82.o1.tc	Method	TBLASTX:Cress
Start	57	End	807
GI	none	Score	219
Exons	57..236, 59..232, 574..807, 579..632, 652..744		

Seq. No.	10189	Seq. ID	OJ990330_05.9819.C82
Gene No.	21627	Strand	+
Start	1	End	819
Name	OJ990330_05.9819.C82.o2.ts	Method	TBLASTX:Soybean
Start	59	End	236
GI	none	Score	195
Exons	59..232, 60..236		

Seq. No.	10189	Seq. ID	OJ990330_05.9819.C82
Gene No.	21627	Strand	+
Start	1	End	819
Name	OJ990330_05.9819.C82.o1.tm	Method	TBLASTX:Maize
Start	189	End	804
GI	none	Score	74
Exons	189..236, 525..749, 559..756, 748..804		

Seq. No.	10189	Seq. ID	OJ990330_05.9819.C82
Gene No.	21627	Strand	+
Start	1	End	819
Name	OJ990330_05.9819.C82.o1.ts	Method	TBLASTX:Soybean
Start	585	End	786
GI	none	Score	211
Exons	585..686, 586..786		

Seq. No.	10190	Seq. ID	OJ990330_05.9819.C83
Gene No.	21628	Strand	+
Start	1149	End	1625
Name	OJ990330_05.9819.C83.o1.np	Method	AAT/NAP
Start	1149	End	1625

GI	6539586	Score	669
Exons	1149..1625		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	10191	Seq. ID	OJ990330_05.9819.C84
Gene No.	21629	Strand	+
Start	1	End	1713
Name	OJ990330_05.9819.C84.o1.np	Method	AAT/NAP
Start	1	End	1713
GI	6907089	Score	1907
Exons	1..498, 602..1713		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	10191	Seq. ID	OJ990330_05.9819.C84
Gene No.	21629	Strand	+
Start	1	End	1713
Name	OJ990330_05.9819.C84.o1.gs	Method	GENSCAN
Start	100	End	1544
GI	none	Score	.77
Exons	100..498, 602..1151, 1203..1544		

Seq. No.	10192	Seq. ID	OJ990330_05.9819.C85
Gene No.	21630	Strand	+
Start	1	End	557
Name	OJ990330_05.9819.C85.o1.np	Method	AAT/NAP
Start	1	End	554
GI	6539586	Score	814
Exons	1..554		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	10192	Seq. ID	OJ990330_05.9819.C85
Gene No.	21630	Strand	+
Start	1	End	557
Name	OJ990330_05.9819.C85.o1.gs	Method	GENSCAN
Start	123	End	557
GI	none	Score	.96
Exons	123..557		

Seq. No.	10193	Seq. ID	OJ990330_05.9819.C86
Gene No.	21631	Strand	-
Start	1264	End	1386
Name	OJ990330_05.9819.C86.o1.gs	Method	GENSCAN
Start	1264	End	1386
GI	none	Score	.52
Exons	1264..1386		

Seq. No.	10194	Seq. ID	OJ990330_05.9819.C87
Gene No.	21632	Strand	-
Start	562	End	3471
Name	OJ990330_05.9819.C87.o1.gs	Method	GENSCAN
Start	562	End	3471
GI	none	Score	.52
Exons	562..602, 1132..1285, 2501..2671, 2876..2963, 3289..3471		

Seq. No.	10195	Seq. ID	OJ990330_05.9819.C88
Gene No.	21633	Strand	+
Start	1776	End	4175

Name	OJ990330_05.9819.C88.o1.gs	Method	GENSCAN
Start	1776	End	4175
GI	none	Score	.52
Exons	1776..1824, 2263..2523, 2935..3062, 3683..3912, 3941..4175		

Seq. No.	10196	Seq. ID	OJ990330_05.9819.C89
Gene No.	21634	Strand	+
Start	1947	End	3806
Name	OJ990330_05.9819.C89.o1.gs	Method	GENSCAN
Start	1947	End	3806
GI	none	Score	.58
Exons	1947..2279, 3067..3235, 3349..3806		

Seq. No.	10196	Seq. ID	OJ990330_05.9819.C89
Gene No.	21635	Strand	+
Start	3741	End	4883
Name	OJ990330_05.9819.C89.o1.gp	Method	AAT/GAP
Start	3741	End	4883
GI	LIB3433-026-P1-K1-H8	Score	252
Exons	3741..3794, 4590..4613, 4786..4883		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	10196	Seq. ID	OJ990330_05.9819.C89
Gene No.	21636	Strand	-
Start	5165	End	5536
Name	OJ990330_05.9819.C89.o1.tm	Method	TBLASTX:Maize
Start	1919	End	2263
GI	none	Score	202
Exons	1919..2083, 1944..2087, 1944..2090, 2082..2261, 2084..2263, 2093..2263		

Seq. No.	10196	Seq. ID	OJ990330_05.9819.C89
Gene No.	21636	Strand	-
Start	5165	End	5536
Name	OJ990330_05.9819.C89.o2.tm	Method	TBLASTX:Maize
Start	3066	End	3533
GI	none	Score	143
Exons	3066..3224, 3066..3224, 3067..3225, 3357..3533		

Seq. No.	10196	Seq. ID	OJ990330_05.9819.C89
Gene No.	21636	Strand	-
Start	5165	End	5536
Name	OJ990330_05.9819.C89.o2.gp	Method	AAT/GAP
Start	5165	End	5536
GI	LIB3477-003-P1-K1-E9	Score	57
Exons	5165..5214, 5516..5536		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	10197	Seq. ID	OJ990330_05.9819.C90
Gene No.	21637	Strand	+
Start	149	End	844
Name	OJ990330_05.9819.C90.o1.gs	Method	GENSCAN
Start	149	End	844
GI	none	Score	.51

Exons	149..156, 730..844		
Seq. No.	10197	Seq. ID	OJ990330_05.9819.C90
Gene No.	21638	Strand	+
Start	2351	End	2737
Name	OJ990330_05.9819.C90.o2.gs	Method	GENSCAN
Start	2351	End	2737
GI	none	Score	.92
Exons	2351..2549, 2610..2737		
Seq. No.	10197	Seq. ID	OJ990330_05.9819.C90
Gene No.	21639	Strand	-
Start	306	End	2499
Name	OJ990330_05.9819.C90.o1.np	Method	AAT/NAP
Start	306	End	2499
GI	435039	Score	92
Exons	306..388, 1087..1214, 1396..1561, 2259..2499		
GI Descrip.	(L17308) proline-rich cell wall protein [Gossypium hirsutum]		
Seq. No.	10197	Seq. ID	OJ990330_05.9819.C90
Gene No.	21640	Strand	
Start	2414	End	2548
Name	OJ990330_05.9819.C90.o1.tm	Method	TBLASTX:Maize
Start	2414	End	2548
GI	none	Score	212
Exons	2414..2548, 2443..2547		
Seq. No.	10198	Seq. ID	OJ990330_05.9819.C91
Gene No.	21641	Strand	+
Start	934	End	1315
Name	OJ990330_05.9819.C91.o1.tm	Method	TBLASTX:Maize
Start	902	End	1121
GI	none	Score	284
Exons	902..1117, 933..1121, 939..1121		
Seq. No.	10198	Seq. ID	OJ990330_05.9819.C91
Gene No.	21641	Strand	+
Start	934	End	1315
Name	OJ990330_05.9819.C91.o1.ts	Method	TBLASTX:Soybean
Start	902	End	1126
GI	none	Score	285
Exons	902..1126, 933..1124, 947..1126		
Seq. No.	10198	Seq. ID	OJ990330_05.9819.C91
Gene No.	21641	Strand	+
Start	934	End	1315
Name	OJ990330_05.9819.C91.o1.gs	Method	GENSCAN
Start	934	End	1315
GI	none	Score	.94
Exons	934..1128, 1134..1315		
Seq. No.	10198	Seq. ID	OJ990330_05.9819.C91
Gene No.	21641	Strand	+
Start	934	End	1315
Name	OJ990330_05.9819.C91.o1.tc	Method	TBLASTX:Cress
Start	975	End	1151
GI	none	Score	190

Exons	975..1133, 977..1123, 978..1151		
Seq. No.	10199	Seq. ID	OJ990330_05.9819.C92
Gene No.	21642	Strand	+
Start	1310	End	1686
Name	OJ990330_05.9819.C92.o1.gp	Method	AAT/GAP
Start	1310	End	1686
GI	uC-osflcyp128g02a1	Score	742
Exons	1310..1686		
GI Descrip.	'2995384/emb|CAA06156| 2.0e-13 (AJ004810) cytochrome P450 monooxygenase [Zea mays]'		
Seq. No.	10199	Seq. ID	OJ990330_05.9819.C92
Gene No.	21643	Strand	-
Start	1537	End	2423
Name	OJ990330_05.9819.C92.o1.tm	Method	TBLASTX:Maize
Start	1531	End	2416
GI	none	Score	319
Exons	1531..1740, 1532..1741, 1532..1759, 2139..2297, 2140..2289, 2141..2290, 2291..2416, 2291..2407		
Seq. No.	10199	Seq. ID	OJ990330_05.9819.C92
Gene No.	21643	Strand	-
Start	1537	End	2423
Name	OJ990330_05.9819.C92.o1.tc	Method	TBLASTX:Cress
Start	1534	End	2258
GI	none	Score	157
Exons	1534..1737, 1535..1738, 1606..1764, 2142..2258, 2142..2249, 2144..2257		
Seq. No.	10199	Seq. ID	OJ990330_05.9819.C92
Gene No.	21643	Strand	-
Start	1537	End	2423
Name	OJ990330_05.9819.C92.o2.ts	Method	TBLASTX:Soybean
Start	1534	End	2204
GI	none	Score	212
Exons	1534..1737, 1538..1735, 2144..2203, 2145..2204		
Seq. No.	10199	Seq. ID	OJ990330_05.9819.C92
Gene No.	21643	Strand	-
Start	1537	End	2423
Name	OJ990330_05.9819.C92.o1.np	Method	AAT/NAP
Start	1537	End	2408
GI	6729038	Score	633
Exons	1537..1740, 2141..2408		
GI Descrip.	(AC009177) unknown protein [Arabidopsis thaliana]		
Seq. No.	10199	Seq. ID	OJ990330_05.9819.C92
Gene No.	21643	Strand	-
Start	1537	End	2423
Name	OJ990330_05.9819.C92.o1.tw	Method	TBLASTX:Wheat
Start	2163	End	2420
GI	none	Score	405
Exons	2163..2420, 2163..2342, 2165..2407		
Seq. No.	10199	Seq. ID	OJ990330_05.9819.C92
Gene No.	21643	Strand	-

Start	1537	End	2423
Name	OJ990330_05.9819.C92.o1.ts	Method	TBLASTX:Soybean
Start	2216	End	2423
GI	none	Score	190
Exons	2216..2407, 2217..2423		

Seq. No.	10199	Seq. ID	OJ990330_05.9819.C92
Gene No.	21643	Strand	-
Start	1537	End	2423
Name	OJ990330_05.9819.C92.o2.gp	Method	AAT/GAP
Start	2240	End	2408
GI	2799877	Score	309
Exons	2240..2408		
GI Descrip.	2995384/emb|CAA06156| 2.0e-13 (AJ004810) cytochrome P450 monooxygenase [Zea mays]		

Seq. No.	10200	Seq. ID	OJ990330_05.9819.C93
Gene No.	21644	Strand	+
Start	24	End	1866
Name	OJ990330_05.9819.C93.o1.gs	Method	GENSCAN
Start	24	End	1866
GI	none	Score	.56
Exons	24..80, 184..271, 1763..1866		

Seq. No.	10200	Seq. ID	OJ990330_05.9819.C93
Gene No.	21645	Strand	-
Start	1	End	294
Name	OJ990330_05.9819.C93.o1.gp	Method	AAT/GAP
Start	1	End	294
GI	5004173	Score	364
Exons	1..52, 141..294		

Seq. No.	10200	Seq. ID	OJ990330_05.9819.C93
Gene No.	21646	Strand	-
Start	1976	End	2054
Name	OJ990330_05.9819.C93.o2.gp	Method	AAT/GAP
Start	1976	End	2054
GI	none	Score	130
Exons	1976..2054		

Seq. No.	10201	Seq. ID	OJ990330_05.9819.C94
Gene No.	21647	Strand	-
Start	54	End	2424
Name	OJ990330_05.9819.C94.o1.gp	Method	AAT/GAP
Start	54	End	1404
GI	none	Score	876
Exons	54..193, 307..391, 484..569, 1212..1404		

Seq. No.	10201	Seq. ID	OJ990330_05.9819.C94
Gene No.	21647	Strand	-
Start	54	End	2424
Name	OJ990330_05.9819.C94.o1.tm	Method	TBLASTX:Maize
Start	131	End	1277
GI	none	Score	55
Exons	131..196, 140..196, 141..227, 307..390, 308..391, 483..572, 484..570, 1227..1277		

Seq. No.	10201	Seq. ID	OJ990330_05.9819.C94
Gene No.	21647	Strand	-
Start	54	End	2424
Name	OJ990330_05.9819.C94.o1.gs	Method	GENSCAN
Start	484	End	2424
GI	none	Score	.78
Exons	484..569, 1212..2424		

Seq. No.	10202	Seq. ID	OJ990330_05.9819.C95
Gene No.	21648	Strand	-
Start	370	End	3041
Name	OJ990330_05.9819.C95.o1.tm	Method	TBLASTX:Maize
Start	367	End	2033
GI	none	Score	129
Exons	367..462, 368..463, 370..477, 800..898, 810..899, 1045..1101, 1047..1103, 1047..1103, 1481..1561, 1485..1559, 1486..1560, 1892..2029, 1895..2032, 1899..2033		

Seq. No.	10202	Seq. ID	OJ990330_05.9819.C95
Gene No.	21648	Strand	-
Start	370	End	3041
Name	OJ990330_05.9819.C95.o1.gs	Method	GENSCAN
Start	370	End	2437
GI	none	Score	.87
Exons	370..460, 668..702, 816..897, 1048..1100, 1484..1549, 1901..2064, 2279..2437		

Seq. No.	10202	Seq. ID	OJ990330_05.9819.C95
Gene No.	21648	Strand	-
Start	370	End	3041
Name	OJ990330_05.9819.C95.o1.np	Method	AAT/NAP
Start	370	End	3041
GI	5524739	Score	100
Exons	370..440, 921..1174, 1901..2062, 2979..3041		
GI Descrip.	(AF111169) KIAA0759 [Homo sapiens]		

Seq. No.	10203	Seq. ID	OJ990330_05.9819.C96
Gene No.	21649	Strand	+
Start	169	End	430
Name	OJ990330_05.9819.C96.o1.gs	Method	GENSCAN
Start	169	End	430
GI	none	Score	.59
Exons	169..280, 330..430		

Seq. No.	10203	Seq. ID	OJ990330_05.9819.C96
Gene No.	21650	Strand	-
Start	1530	End	3468
Name	OJ990330_05.9819.C96.o1.gp	Method	AAT/GAP
Start	1355	End	1939
GI	LIB3433-039-P1-K1-D2	Score	898
Exons	1355..1622, 1735..1939		
GI Descrip.	'2252631 1.0e-37 (U95973) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	10203	Seq. ID	OJ990330_05.9819.C96
Gene No.	21650	Strand	-
Start	1530	End	3468

Name	OJ990330_05.9819.C96.o1.tm	Method	TBLASTX:Maize
Start	1530	End	3447
GI	none	Score	49
Exons	1530..1655, 1587..1625, 1710..1817, 1729..1872, 1735..1890, 1778..1900, 1892..1948, 1894..1956, 1902..1955, 1949..2020, 2417..2473, 2448..2585, 2450..2584, 2785..2937, 2785..2934, 3333..3446, 3334..3447, 3360..3446		

Seq. No.	10203	Seq. ID	OJ990330_05.9819.C96
Gene No.	21650	Strand	-
Start	1530	End	3468
Name	OJ990330_05.9819.C96.o2.gs	Method	GENSCAN
Start	1530	End	3412
GI	none	Score	.91
Exons	1530..1622, 1735..2018, 2464..2587, 2782..2928, 3360..3412		

Seq. No.	10203	Seq. ID	OJ990330_05.9819.C96
Gene No.	21650	Strand	-
Start	1530	End	3468
Name	OJ990330_05.9819.C96.o1.np	Method	AAT/NAP
Start	1533	End	3468
GI	2252631	Score	732
Exons	1533..1622, 1735..2018, 2778..2928, 3360..3468		
GI Descrip.	(U95973) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	10203	Seq. ID	OJ990330_05.9819.C96
Gene No.	21650	Strand	-
Start	1530	End	3468
Name	OJ990330_05.9819.C96.o1.ts	Method	TBLASTX:Soybean
Start	2501	End	3444
GI	none	Score	68
Exons	2501..2587, 2508..2588, 2773..2931, 2778..2930, 2779..2934, 3333..3443, 3358..3444, 3360..3443		

Seq. No.	10204	Seq. ID	OJ990330_05.9819.C97
Gene No.	21651	Strand	-
Start	1356	End	1546
Name	OJ990330_05.9819.C97.o1.gs	Method	GENSCAN
Start	1356	End	1546
GI	none	Score	.76
Exons	1356..1546		

Seq. No.	10205	Seq. ID	OJ990310_05.9819.C1
Gene No.	21652	Strand	-
Start	1	End	1205
Name	OJ990310_05.9819.C1.o1.np	Method	AAT/NAP
Start	1	End	1205
GI	6907086	Score	911
Exons	1..155, 211..449, 510..1205		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	10205	Seq. ID	OJ990310_05.9819.C1
Gene No.	21652	Strand	-
Start	1	End	1205
Name	OJ990310_05.9819.C1.o1.gs	Method	GENSCAN
Start	538	End	1128
GI	none	Score	.95

Exons	538..1128		
Seq. No.	10206	Seq. ID	OJ990310_05.9819.C2
Gene No.	21653	Strand	+
Start	1	End	1959
Name	OJ990310_05.9819.C2.o1.np	Method	AAT/NAP
Start	1	End	1959
GI	6630685	Score	1119
Exons	1..1959		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		
Seq. No.	10206	Seq. ID	OJ990310_05.9819.C2
Gene No.	21653	Strand	+
Start	1	End	1959
Name	OJ990310_05.9819.C2.o2.tm	Method	TBLASTX:Maize
Start	58	End	408
GI	none	Score	290
Exons	58..312, 69..311, 322..408, 327..407		
Seq. No.	10206	Seq. ID	OJ990310_05.9819.C2
Gene No.	21653	Strand	+
Start	1	End	1959
Name	OJ990310_05.9819.C2.o2.tw	Method	TBLASTX:Wheat
Start	58	End	273
GI	none	Score	213
Exons	58..273, 94..267, 99..272		
Seq. No.	10206	Seq. ID	OJ990310_05.9819.C2
Gene No.	21653	Strand	+
Start	1	End	1959
Name	OJ990310_05.9819.C2.o2.ts	Method	TBLASTX:Soybean
Start	115	End	522
GI	none	Score	171
Exons	115..315, 132..296, 328..414, 427..522		
Seq. No.	10206	Seq. ID	OJ990310_05.9819.C2
Gene No.	21653	Strand	+
Start	1	End	1959
Name	OJ990310_05.9819.C2.o2.tc	Method	TBLASTX:Cress
Start	132	End	519
GI	none	Score	108
Exons	132..218, 133..303, 328..402, 417..518, 418..519		
Seq. No.	10206	Seq. ID	OJ990310_05.9819.C2
Gene No.	21653	Strand	+
Start	1	End	1959
Name	OJ990310_05.9819.C2.o1.ts	Method	TBLASTX:Soybean
Start	889	End	1454
GI	5509260	Score	607
Exons	889..1449, 889..1143, 930..1454		
GI Descrip.	-		
Seq. No.	10206	Seq. ID	OJ990310_05.9819.C2
Gene No.	21653	Strand	+
Start	1	End	1959
Name	OJ990310_05.9819.C2.o1.tw	Method	TBLASTX:Wheat

Start	969	End	1446
GI	none	Score	83
Exons	969..1058, 970..1059, 1039..1440, 1099..1227, 1101..1430, 1267..1446		

Seq. No.	10206	Seq. ID	OJ990310_05.9819.C2
Gene No.	21653	Strand	+
Start	1	End	1959
Name	OJ990310_05.9819.C2.o1.tc	Method	TBLASTX:Cress
Start	1074	End	1335
GI	none	Score	208
Exons	1074..1334, 1075..1335		

Seq. No.	10206	Seq. ID	OJ990310_05.9819.C2
Gene No.	21653	Strand	+
Start	1	End	1959
Name	OJ990310_05.9819.C2.o1.tm	Method	TBLASTX:Maize
Start	1116	End	1554
GI	none	Score	458
Exons	1116..1490, 1117..1554, 1156..1554		

Seq. No.	10207	Seq. ID	OJ990310_05.9819.C4
Gene No.	21654	Strand	-
Start	607	End	695
Name	OJ990310_05.9819.C4.o1.gp	Method	AAT/GAP
Start	607	End	695
GI	28773_4.R1084	Score	155
Exons	607..695		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	10208	Seq. ID	OJ990310_05.9819.C6
Gene No.	21655	Strand	+
Start	1	End	1540
Name	OJ990310_05.9819.C6.o1.np	Method	AAT/NAP
Start	1	End	1179
GI	3386534	Score	819
Exons	1..879, 970..1179		
GI Descrip.	(AF078934) mariner transposase [Glycine max]		

Seq. No.	10208	Seq. ID	OJ990310_05.9819.C6
Gene No.	21655	Strand	+
Start	1	End	1540
Name	OJ990310_05.9819.C6.o1.gs	Method	GENSCAN
Start	505	End	1540
GI	none	Score	.68
Exons	505..879, 970..1178, 1186..1540		

Seq. No.	10208	Seq. ID	OJ990310_05.9819.C6
Gene No.	21656	Strand	-
Start	1	End	10821
Name	OJ990310_05.9819.C6.o2.np	Method	AAT/NAP
Start	1	End	2395
GI	4539658	Score	109
Exons	1..24, 2268..2395		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	10208	Seq. ID	OJ990310_05.9819.C6
Gene No.	21656	Strand	-
Start	1	End	10821
Name	OJ990310_05.9819.C6.o1.tw	Method	TBLASTX:Wheat
Start	589	End	875
GI	none	Score	218
Exons	589..873, 669..875		

Seq. No.	10208	Seq. ID	OJ990310_05.9819.C6
Gene No.	21656	Strand	-
Start	1	End	10821
Name	OJ990310_05.9819.C6.o2.gs	Method	GENSCAN
Start	1819	End	10821
GI	none	Score	.89
Exons	1819..1956, 2032..2109, 2157..2220, 2562..2634, 4928..5408, 9923..10039, 10683..10821		

Seq. No.	10208	Seq. ID	OJ990310_05.9819.C6
Gene No.	21656	Strand	-
Start	1	End	10821
Name	OJ990310_05.9819.C6.o1.tm	Method	TBLASTX:Maize
Start	2250	End	2492
GI	none	Score	99
Exons	2250..2375, 2253..2378, 2314..2391, 2363..2479, 2364..2492, 2373..2492		

Seq. No.	10209	Seq. ID	OJ990310_05.9819.C7
Gene No.	21657	Strand	+
Start	1	End	7806
Name	OJ990310_05.9819.C7.o2.np	Method	AAT/NAP
Start	1	End	7806
GI	5911167	Score	675
Exons	1..29, 3128..3196, 5383..5555, 6931..7602, 7687..7806		
GI Descrip.	(AF136221) putative transposase protein [Zea mays]		

Seq. No.	10209	Seq. ID	OJ990310_05.9819.C7
Gene No.	21657	Strand	+
Start	1	End	7806
Name	OJ990310_05.9819.C7.o1.gs	Method	GENSCAN
Start	322	End	2154
GI	none	Score	.86
Exons	322..346, 2081..2154		

Seq. No.	10209	Seq. ID	OJ990310_05.9819.C7
Gene No.	21658	Strand	-
Start	125	End	1569
Name	OJ990310_05.9819.C7.o1.np	Method	AAT/NAP
Start	125	End	1569
GI	6907088	Score	1008
Exons	125..522, 1019..1256, 1432..1569		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	10209	Seq. ID	OJ990310_05.9819.C7
Gene No.	21658	Strand	-
Start	125	End	1569
Name	OJ990310_05.9819.C7.o1.gp	Method	AAT/GAP

Start	566	End	757
GI	5667165	Score	324
Exons	566..757		
GI Descrip.	5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence		

Seq. No.	10209	Seq. ID	OJ990310_05.9819.C7
Gene No.	21659	Strand	
Start	6924	End	7630
Name	OJ990310_05.9819.C7.o1.tw	Method	TBLASTX:Wheat
Start	6924	End	7287
GI	none	Score	155
Exons	6924..7091, 6931..7131, 7165..7287		

Seq. No.	10209	Seq. ID	OJ990310_05.9819.C7
Gene No.	21659	Strand	
Start	6924	End	7630
Name	OJ990310_05.9819.C7.o1.tm	Method	TBLASTX:Maize
Start	7156	End	7630
GI	none	Score	152
Exons	7156..7347, 7363..7500, 7365..7496, 7481..7630, 7486..7629		

Seq. No.	10210	Seq. ID	OJ990310_05.9819.C8
Gene No.	21660	Strand	+
Start	249	End	1381
Name	OJ990310_05.9819.C8.o1.gs	Method	GENSCAN
Start	249	End	1381
GI	none	Score	.94
Exons	249..452, 541..627, 701..799, 874..1099, 1128..1198, 1292..1381		

Seq. No.	10210	Seq. ID	OJ990310_05.9819.C8
Gene No.	21661	Strand	+
Start	6157	End	7042
Name	OJ990310_05.9819.C8.o3.gs	Method	GENSCAN
Start	6157	End	7042
GI	none	Score	.6
Exons	6157..6229, 6311..6679, 6768..7042		

Seq. No.	10210	Seq. ID	OJ990310_05.9819.C8
Gene No.	21662	Strand	+
Start	13546	End	26156
Name	OJ990310_05.9819.C8.o1.np	Method	AAT/NAP
Start	13546	End	18647
GI	5295955	Score	622
Exons	13546..13603, 16090..16159, 16700..16814, 17496..17936, 18029..18647		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	10210	Seq. ID	OJ990310_05.9819.C8
Gene No.	21662	Strand	+
Start	13546	End	26156
Name	OJ990310_05.9819.C8.o5.gs	Method	GENSCAN
Start	15673	End	26156
GI	none	Score	.45
Exons	15673..15681, 16090..16227, 16636..16814, 17795..18080, 18232..18563, 19541..19580, 20083..20150, 20374..20509,		

20679..20802, 21041..21258, 22409..22506, 25724..26156

Seq. No.	10210	Seq. ID	OJ990310_05.9819.C8
Gene No.	21662	Strand	+
Start	13546	End	26156
Name	OJ990310_05.9819.C8.o2.np	Method	AAT/NAP
Start	21014	End	21286
GI	6539588	Score	164
Exons	21014..21286		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	10210	Seq. ID	OJ990310_05.9819.C8
Gene No.	21662	Strand	+
Start	13546	End	26156
Name	OJ990310_05.9819.C8.o3.np	Method	AAT/NAP
Start	25869	End	26144
GI	126386	Score	173
Exons	25869..26144		
GI Descrip.	POLLEN ALLERGEN LOL P 2-A (LOL P II-A) gi|82449|pir||A34291 pollen allergen Lol p IIA - perennial ryegrass		

Seq. No.	10210	Seq. ID	OJ990310_05.9819.C8
Gene No.	21663	Strand	+
Start	40742	End	41341
Name	OJ990310_05.9819.C8.o8.gs	Method	GENSCAN
Start	40742	End	41086
GI	none	Score	.83
Exons	40742..41086		

Seq. No.	10210	Seq. ID	OJ990310_05.9819.C8
Gene No.	21663	Strand	+
Start	40742	End	41341
Name	OJ990310_05.9819.C8.o6.np	Method	AAT/NAP
Start	40799	End	41074
GI	126386	Score	179
Exons	40799..41074		
GI Descrip.	POLLEN ALLERGEN LOL P 2-A (LOL P II-A) gi|82449|pir||A34291 pollen allergen Lol p IIA - perennial ryegrass		

Seq. No.	10210	Seq. ID	OJ990310_05.9819.C8
Gene No.	21663	Strand	+
Start	40742	End	41341
Name	OJ990310_05.9819.C8.o1.gp	Method	AAT/GAP
Start	40827	End	41341
GI	28773_4.R1084	Score	971
Exons	40827..41341		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	10210	Seq. ID	OJ990310_05.9819.C8
Gene No.	21664	Strand	+
Start	43630	End	48598
Name	OJ990310_05.9819.C8.o9.gs	Method	GENSCAN
Start	43630	End	48598
GI	none	Score	.47
Exons	43630..43697, 44070..44178, 46802..46897, 47020..47073, 48515..48598		

Seq. No.	10210	Seq. ID	OJ990310_05.9819.C8
Gene No.	21665	Strand	+
Start	49080	End	49355
Name	OJ990310_05.9819.C8.o8.np	Method	AAT/NAP
Start	49080	End	49355
GI	126386	Score	177
Exons	49080..49355		
GI Descrip.	POLLEN ALLERGEN LOL P 2-A (LOL P II-A) gi|82449|pir||A34291 pollen allergen Lol p IIA - perennial ryegrass		

Seq. No.	10210	Seq. ID	OJ990310_05.9819.C8
Gene No.	21666	Strand	+
Start	51129	End	53330
Name	OJ990310_05.9819.C8.o11.gs	Method	GENSCAN
Start	51129	End	52273
GI	none	Score	.78
Exons	51129..51183, 51412..51531, 51865..52140, 52209..52273		

Seq. No.	10210	Seq. ID	OJ990310_05.9819.C8
Gene No.	21666	Strand	+
Start	51129	End	53330
Name	OJ990310_05.9819.C8.o9.np	Method	AAT/NAP
Start	51838	End	53330
GI	6539588	Score	217
Exons	51838..52154, 53084..53330		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	10210	Seq. ID	OJ990310_05.9819.C8
Gene No.	21666	Strand	+
Start	51129	End	53330
Name	OJ990310_05.9819.C8.o2.gp	Method	AAT/GAP
Start	52238	End	52302
GI	426511	Score	77
Exons	52238..52302		
GI Descrip.	5042437/gb|AC007789.1|AC007789 8.0e-24 Oryza sativa BAC T49B20 genomic sequence, complete sequence		

Seq. No.	10210	Seq. ID	OJ990310_05.9819.C8
Gene No.	21667	Strand	-
Start	2436	End	3634
Name	OJ990310_05.9819.C8.o2.gs	Method	GENSCAN
Start	2436	End	3634
GI	none	Score	.61
Exons	2436..2695, 3553..3634		

Seq. No.	10210	Seq. ID	OJ990310_05.9819.C8
Gene No.	21668	Strand	-
Start	28729	End	30878
Name	OJ990310_05.9819.C8.o6.gs	Method	GENSCAN
Start	28729	End	30878
GI	none	Score	.73
Exons	28729..28845, 29605..29784, 29939..30085, 30774..30878		

Seq. No.	10210	Seq. ID	OJ990310_05.9819.C8
Gene No.	21669	Strand	-
Start	36145	End	49370

Name	OJ990310_05.9819.C8.o1.tm	Method	TBLASTX:Maize
Start	25833	End	49370
GI	none	Score	129
Exons	25833..25943, 25859..25981, 25860..25982, 25989..26165, 25989..26171, 40731..40793, 40733..40771, 40739..40912, 40765..40833, 40765..40920, 40787..40912, 40919..41089, 40919..41089, 40920..41090, 40921..41112, 40972..41091, 49019..49114, 49019..49213, 49089..49193, 49193..49354, 49200..49370		

Seq. No.	10210	Seq. ID	OJ990310_05.9819.C8
Gene No.	21669	Strand	-
Start	36145	End	49370
Name	OJ990310_05.9819.C8.o7.gs	Method	GENSCAN
Start	36145	End	39909
GI	none	Score	.56
Exons	36145..36376, 36439..36548, 36642..36814, 36849..37017, 37110..37281, 38400..38578, 39516..39586, 39897..39909		

Seq. No.	10210	Seq. ID	OJ990310_05.9819.C8
Gene No.	21669	Strand	-
Start	36145	End	49370
Name	OJ990310_05.9819.C8.o4.np	Method	AAT/NAP
Start	36157	End	37223
GI	6907089	Score	857
Exons	36157..37223		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	10210	Seq. ID	OJ990310_05.9819.C8
Gene No.	21669	Strand	-
Start	36145	End	49370
Name	OJ990310_05.9819.C8.o5.np	Method	AAT/NAP
Start	38164	End	38708
GI	6539585	Score	177
Exons	38164..38237, 38535..38708		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	10211	Seq. ID	OJ990310_05.9819.C9
Gene No.	21670	Strand	-
Start	144	End	639
Name	OJ990310_05.9819.C9.o1.gs	Method	GENSCAN
Start	144	End	639
GI	none	Score	.83
Exons	144..233, 327..397, 426..639		

Seq. No.	10212	Seq. ID	OJ990310_06.9819.C1
Gene No.	21671	Strand	+
Start	623	End	1489
Name	OJ990310_06.9819.C1.o1.gs	Method	GENSCAN
Start	623	End	1489
GI	none	Score	.49
Exons	623..822, 1282..1489		

Seq. No.	10213	Seq. ID	OJ990310_06.9819.C2
Gene No.	21672	Strand	+
Start	7	End	121
Name	OJ990310_06.9819.C2.o1.gs	Method	GENSCAN

Start	7	End	121
GI	none	Score	1
Exons	7..121		

Seq. No.	10214	Seq. ID	OJ990310_06.9819.C3
Gene No.	21673	Strand	+
Start	63	End	161
Name	OJ990310_06.9819.C3.o1.gs	Method	GENSCAN
Start	63	End	161
GI	none	Score	.63
Exons	63..161		

Seq. No.	10215	Seq. ID	OJ990310_06.9819.C4
Gene No.	21674	Strand	+
Start	1	End	184
Name	OJ990310_06.9819.C4.o1.np	Method	AAT/NAP
Start	1	End	184
GI	5915836	Score	163
Exons	1..184		
GI Descrip.	CYTOCHROME P450 71D7 gi|1762144 (U48435) putative cytochrome P450 [Solanum chacoense]		

Seq. No.	10215	Seq. ID	OJ990310_06.9819.C4
Gene No.	21675	Strand	-
Start	777	End	914
Name	OJ990310_06.9819.C4.o1.gs	Method	GENSCAN
Start	777	End	914
GI	none	Score	.86
Exons	777..914		

Seq. No.	10216	Seq. ID	OJ990310_06.9819.C6
Gene No.	21676	Strand	+
Start	346	End	381
Name	OJ990310_06.9819.C6.o1.gs	Method	GENSCAN
Start	346	End	381
GI	none	Score	.47
Exons	346..381		

Seq. No.	10216	Seq. ID	OJ990310_06.9819.C6
Gene No.	21677	Strand	-
Start	2134	End	3663
Name	OJ990310_06.9819.C6.o2.gs	Method	GENSCAN
Start	2134	End	3651
GI	none	Score	.95
Exons	2134..3651		

Seq. No.	10216	Seq. ID	OJ990310_06.9819.C6
Gene No.	21677	Strand	-
Start	2134	End	3663
Name	OJ990310_06.9819.C6.o1.np	Method	AAT/NAP
Start	2138	End	3663
GI	5915832	Score	874
Exons	2138..3663		
GI Descrip.	CYTOCHROME P450 76C2 gi|2979549|gb|AAC06158.1| (AC003680) putative cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	10216	Seq. ID	OJ990310_06.9819.C6

Gene No.	21677	Strand	-
Start	2134	End	3663
Name	OJ990310_06.9819.C6.o1.tm	Method	TBLASTX:Maize
Start	2194	End	2799
GI	none	Score	78
Exons	2194..2412, 2200..2316, 2219..2425, 2347..2556, 2348..2557, 2507..2593, 2521..2799		

Seq. No.	10216	Seq. ID	OJ990310_06.9819.C6
Gene No.	21677	Strand	-
Start	2134	End	3663
Name	OJ990310_06.9819.C6.o1.tc	Method	TBLASTX:Cress
Start	2218	End	3447
GI	none	Score	90
Exons	2218..2412, 2231..2413, 2347..2547, 2396..2530, 2506..2781, 2507..2605, 2944..3048, 3067..3138, 3130..3447		

Seq. No.	10216	Seq. ID	OJ990310_06.9819.C6
Gene No.	21677	Strand	-
Start	2134	End	3663
Name	OJ990310_06.9819.C6.o2.tw	Method	TBLASTX:Wheat
Start	2218	End	2451
GI	none	Score	107
Exons	2218..2385, 2219..2386, 2389..2436, 2398..2451		

Seq. No.	10216	Seq. ID	OJ990310_06.9819.C6
Gene No.	21677	Strand	-
Start	2134	End	3663
Name	OJ990310_06.9819.C6.o1.ts	Method	TBLASTX:Soybean
Start	2230	End	3102
GI	none	Score	90
Exons	2230..2376, 2398..2505, 2542..2799, 2866..3102		

Seq. No.	10216	Seq. ID	OJ990310_06.9819.C6
Gene No.	21677	Strand	-
Start	2134	End	3663
Name	OJ990310_06.9819.C6.o1.tw	Method	TBLASTX:Wheat
Start	2455	End	2772
GI	none	Score	207
Exons	2455..2547, 2524..2772		

Seq. No.	10216	Seq. ID	OJ990310_06.9819.C6
Gene No.	21677	Strand	-
Start	2134	End	3663
Name	OJ990310_06.9819.C6.o2.tm	Method	TBLASTX:Maize
Start	2815	End	3147
GI	none	Score	58
Exons	2815..3045, 3058..3147		

Seq. No.	10217	Seq. ID	OJ990310_06.9819.C8
Gene No.	21678	Strand	-
Start	780	End	3127
Name	OJ990310_06.9819.C8.o1.gs	Method	GENSCAN
Start	780	End	2769
GI	none	Score	.52
Exons	780..940, 1162..1973, 2127..2344, 2356..2769		

Seq. No.	10217	Seq. ID	OJ990310_06.9819.C8
Gene No.	21678	Strand	-
Start	780	End	3127
Name	OJ990310_06.9819.C8.o3.ts	Method	TBLASTX:Soybean
Start	1032	End	1225
GI	none	Score	43
Exons	1032..1064, 1034..1225, 1134..1220		

Seq. No.	10217	Seq. ID	OJ990310_06.9819.C8
Gene No.	21678	Strand	-
Start	780	End	3127
Name	OJ990310_06.9819.C8.o2.tw	Method	TBLASTX:Wheat
Start	1436	End	1846
GI	none	Score	178
Exons	1436..1846		

Seq. No.	10217	Seq. ID	OJ990310_06.9819.C8
Gene No.	21678	Strand	-
Start	780	End	3127
Name	OJ990310_06.9819.C8.o2.ts	Method	TBLASTX:Soybean
Start	1607	End	2002
GI	none	Score	89
Exons	1607..2002, 1707..1901, 1787..1969		

Seq. No.	10217	Seq. ID	OJ990310_06.9819.C8
Gene No.	21678	Strand	-
Start	780	End	3127
Name	OJ990310_06.9819.C8.o1.tm	Method	TBLASTX:Maize
Start	1856	End	2239
GI	none	Score	207
Exons	1856..2239		

Seq. No.	10217	Seq. ID	OJ990310_06.9819.C8
Gene No.	21678	Strand	-
Start	780	End	3127
Name	OJ990310_06.9819.C8.o1.tw	Method	TBLASTX:Wheat
Start	2647	End	3081
GI	none	Score	36
Exons	2647..2937, 2732..2833, 2864..2938, 2992..3081		

Seq. No.	10217	Seq. ID	OJ990310_06.9819.C8
Gene No.	21678	Strand	-
Start	780	End	3127
Name	OJ990310_06.9819.C8.o1.ts	Method	TBLASTX:Soybean
Start	2710	End	3127
GI	none	Score	81
Exons	2710..2952, 2714..2827, 2867..2953, 2983..3126, 2989..3126, 2993..3127		

Seq. No.	10218	Seq. ID	OJ990310_06.9819.C10
Gene No.	21679	Strand	-
Start	1	End	1080
Name	OJ990310_06.9819.C10.o1.np	Method	AAT/NAP
Start	1	End	1035
GI	5915840	Score	379
Exons	1..1035		
GI Descrip.	CYTOCHROME P450 71D11 gi|2367431 (AF000403) putative cytochrome		

P450 [Lotus japonicus]

Seq. No.	10218	Seq. ID	OJ990310_06.9819.C10
Gene No.	21679	Strand	-
Start	1	End	1080
Name	OJ990310_06.9819.C10.o1.gs	Method	GENSCAN
Start	298	End	1080
GI	none	Score	.61
Exons	298..408, 454..1080		

Seq. No.	10218	Seq. ID	OJ990310_06.9819.C10
Gene No.	21679	Strand	-
Start	1	End	1080
Name	OJ990310_06.9819.C10.o1.tm	Method	TBLASTX:Maize
Start	394	End	927
GI	none	Score	76
Exons	394..567, 400..561, 589..837, 814..927		

Seq. No.	10218	Seq. ID	OJ990310_06.9819.C10
Gene No.	21679	Strand	-
Start	1	End	1080
Name	OJ990310_06.9819.C10.o1.ts	Method	TBLASTX:Soybean
Start	523	End	951
GI	none	Score	99
Exons	523..837, 826..951		

Seq. No.	10218	Seq. ID	OJ990310_06.9819.C10
Gene No.	21679	Strand	-
Start	1	End	1080
Name	OJ990310_06.9819.C10.o1.tc	Method	TBLASTX:Cress
Start	577	End	924
GI	none	Score	95
Exons	577..840, 826..924		

Seq. No.	10218	Seq. ID	OJ990310_06.9819.C10
Gene No.	21679	Strand	-
Start	1	End	1080
Name	OJ990310_06.9819.C10.o1.gp	Method	AAT/GAP
Start	609	End	718
GI	none	Score	162
Exons	609..718		

Seq. No.	10219	Seq. ID	OJ990310_06.9819.C11
Gene No.	21680	Strand	+
Start	1	End	1014
Name	OJ990310_06.9819.C11.o1.np	Method	AAT/NAP
Start	1	End	1014
GI	5922620	Score	161
Exons	1..30, 874..1014		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	10219	Seq. ID	OJ990310_06.9819.C11
Gene No.	21680	Strand	+

Start	1	End	1014
Name	OJ990310_06.9819.C11.o1.gs	Method	GENSCAN
Start	104	End	301
GI	none	Score	.74
Exons	104..301		

Seq. No.	10219	Seq. ID	OJ990310_06.9819.C11
Gene No.	21681	Strand	+
Start	8876	End	10072
Name	OJ990310_06.9819.C11.o3.np	Method	AAT/NAP
Start	8876	End	10072
GI	5902445	Score	628
Exons	8876..10072		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	10219	Seq. ID	OJ990310_06.9819.C11
Gene No.	21682	Strand	-
Start	1154	End	1231
Name	OJ990310_06.9819.C11.o2.np	Method	AAT/NAP
Start	1154	End	1231
GI	6630699	Score	77
Exons	1154..1231		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	10219	Seq. ID	OJ990310_06.9819.C11
Gene No.	21683	Strand	
Start	6554	End	6820
Name	OJ990310_06.9819.C11.o3.tm	Method	TBLASTX:Maize
Start	6554	End	6820
GI	none	Score	148
Exons	6554..6679, 6571..6678, 6704..6820, 6709..6819		

Seq. No.	10219	Seq. ID	OJ990310_06.9819.C11
Gene No.	21684	Strand	
Start	8018	End	8380
Name	OJ990310_06.9819.C11.o3.ts	Method	TBLASTX:Soybean
Start	8018	End	8380
GI	none	Score	196
Exons	8018..8380, 8086..8364		

Seq. No.	10219	Seq. ID	OJ990310_06.9819.C11
Gene No.	21685	Strand	
Start	8861	End	9915
Name	OJ990310_06.9819.C11.o2.ts	Method	TBLASTX:Soybean
Start	8861	End	9229
GI	none	Score	137
Exons	8861..9079, 9095..9229		

Seq. No.	10219	Seq. ID	OJ990310_06.9819.C11
Gene No.	21685	Strand	
Start	8861	End	9915
Name	OJ990310_06.9819.C11.o1.tw	Method	TBLASTX:Wheat
Start	9023	End	9432
GI	none	Score	602
Exons	9023..9430, 9031..9432, 9043..9357, 9149..9379, 9333..9431		

Seq. No.	10219	Seq. ID	OJ990310_06.9819.C11
Gene No.	21685	Strand	
Start	8861	End	9915
Name	OJ990310_06.9819.C11.o2.tm	Method	TBLASTX:Maize
Start	9083	End	9298
GI	none	Score	310
Exons	9083..9298, 9085..9297		

Seq. No.	10219	Seq. ID	OJ990310_06.9819.C11
Gene No.	21685	Strand	
Start	8861	End	9915
Name	OJ990310_06.9819.C11.o1.tm	Method	TBLASTX:Maize
Start	9299	End	9760
GI	none	Score	612
Exons	9299..9760, 9301..9357, 9448..9759		

Seq. No.	10219	Seq. ID	OJ990310_06.9819.C11
Gene No.	21685	Strand	
Start	8861	End	9915
Name	OJ990310_06.9819.C11.o1.ts	Method	TBLASTX:Soybean
Start	9446	End	9915
GI	none	Score	212
Exons	9446..9724, 9481..9684, 9728..9913, 9769..9915		

Seq. No.	10219	Seq. ID	OJ990310_06.9819.C11
Gene No.	21685	Strand	
Start	8861	End	9915
Name	OJ990310_06.9819.C11.o2.tw	Method	TBLASTX:Wheat
Start	9449	End	9829
GI	none	Score	189
Exons	9449..9751, 9728..9829		

Seq. No.	10220	Seq. ID	OJ990310_06.9819.C12
Gene No.	21686	Strand	+
Start	8430	End	9018
Name	OJ990310_06.9819.C12.o3.gs	Method	GENSCAN
Start	8430	End	9018
GI	none	Score	.71
Exons	8430..8538, 8879..9018		

Seq. No.	10220	Seq. ID	OJ990310_06.9819.C12
Gene No.	21687	Strand	-
Start	131	End	4206
Name	OJ990310_06.9819.C12.o1.gs	Method	GENSCAN
Start	131	End	4206
GI	none	Score	.68
Exons	131..185, 1241..1550, 1632..1745, 2644..2697, 3838..3925, 4134..4206		

Seq. No.	10220	Seq. ID	OJ990310_06.9819.C12
Gene No.	21688	Strand	-
Start	4877	End	5193
Name	OJ990310_06.9819.C12.o2.gs	Method	GENSCAN
Start	4877	End	5193
GI	none	Score	.73
Exons	4877..5112, 5124..5193		

Seq. No.	10220	Seq. ID	OJ990310_06.9819.C12
Gene No.	21689	Strand	-
Start	7288	End	7858
Name	OJ990310_06.9819.C12.o1.tw	Method	TBLASTX:Wheat
Start	2224	End	6295
GI	none	Score	58
Exons	2224..2301, 5918..6295, 6015..6245		

Seq. No.	10220	Seq. ID	OJ990310_06.9819.C12
Gene No.	21689	Strand	-
Start	7288	End	7858
Name	OJ990310_06.9819.C12.o1.gp	Method	AAT/GAP
Start	7288	End	7858
GI	4879016	Score	886
Exons	7288..7858		
GI Descrip.	6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		

Seq. No.	10221	Seq. ID	OJ990310_06.9819.C13
Gene No.	21690	Strand	-
Start	358	End	2075
Name	OJ990310_06.9819.C13.o1.gs	Method	GENSCAN
Start	358	End	2075
GI	none	Score	.93
Exons	358..620, 800..902, 1863..2075		

Seq. No.	10221	Seq. ID	OJ990310_06.9819.C13
Gene No.	21690	Strand	-
Start	358	End	2075
Name	OJ990310_06.9819.C13.o1.gp	Method	AAT/GAP
Start	596	End	818
GI	uC-osrocyp007b12a1	Score	415
Exons	596..818		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	10222	Seq. ID	OJ990310_06.9819.C14
Gene No.	21691	Strand	+
Start	1158	End	1372
Name	OJ990310_06.9819.C14.o1.gs	Method	GENSCAN
Start	1158	End	1372
GI	none	Score	.64
Exons	1158..1218, 1362..1372		

Seq. No.	10222	Seq. ID	OJ990310_06.9819.C14
Gene No.	21692	Strand	-
Start	1	End	4511
Name	OJ990310_06.9819.C14.o1.np	Method	AAT/NAP
Start	1	End	4509
GI	5295968	Score	96
Exons	1..23, 1897..1952, 2222..2282, 2421..2548, 2653..2741, 3818..3935, 4274..4509		
GI Descrip.	(AB026295) ESTs C19441(E10423),C99201(E10423) correspond to a region of the predicted gene.; hypothetical protein [Oryza		

sativa]

Seq. No.	10222	Seq. ID	OJ990310_06.9819.C14
Gene No.	21692	Strand	-
Start	1	End	4511
Name	OJ990310_06.9819.C14.o2.gs	Method	GENSCAN
Start	2678	End	4511
GI	none	Score	.76
Exons	2678..2737, 4279..4511		

Seq. No.	10223	Seq. ID	OJ990310_06.9819.C16
Gene No.	21693	Strand	+
Start	739	End	887
Name	OJ990310_06.9819.C16.o1.gs	Method	GENSCAN
Start	739	End	887
GI	none	Score	.71
Exons	739..854, 856..887		

Seq. No.	10223	Seq. ID	OJ990310_06.9819.C16
Gene No.	21694	Strand	-
Start	2394	End	6625
Name	OJ990310_06.9819.C16.o1.np	Method	AAT/NAP
Start	2394	End	6625
GI	4680204	Score	950
Exons	2394..2441, 4058..5169, 5240..6625		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	10223	Seq. ID	OJ990310_06.9819.C16
Gene No.	21694	Strand	-
Start	2394	End	6625
Name	OJ990310_06.9819.C16.o2.np	Method	AAT/NAP
Start	3766	End	6625
GI	4680204	Score	949
Exons	3766..3782, 4058..5169, 5240..6625		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	10223	Seq. ID	OJ990310_06.9819.C16
Gene No.	21694	Strand	-
Start	2394	End	6625
Name	OJ990310_06.9819.C16.o2.tw	Method	TBLASTX:Wheat
Start	4957	End	5335
GI	none	Score	33
Exons	4957..5175, 5010..5063, 5090..5173, 5237..5335		

Seq. No.	10223	Seq. ID	OJ990310_06.9819.C16
Gene No.	21694	Strand	-
Start	2394	End	6625
Name	OJ990310_06.9819.C16.o1.tw	Method	TBLASTX:Wheat
Start	5621	End	6022
GI	none	Score	91
Exons	5621..5716, 5622..5696, 5778..5924, 5786..6022		

Seq. No.	10224	Seq. ID	OJ990310_06.9819.C17
Gene No.	21695	Strand	+
Start	5769	End	7260
Name	OJ990310_06.9819.C17.o1.np	Method	AAT/NAP
Start	5769	End	7260

GI	5852093	Score	57
Exons	5769..5795, 7153..7260		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	10225	Seq. ID	OJ990310_06.9819.C27
Gene No.	21696	Strand	+
Start	885	End	1015
Name	OJ990310_06.9819.C27.o1.gs	Method	GENSCAN
Start	885	End	1015
GI	none	Score	.87
Exons	885..1015		

Seq. No.	10226	Seq. ID	OJ990310_06.9819.C28
Gene No.	21697	Strand	+
Start	1	End	2092
Name	OJ990310_06.9819.C28.o1.np	Method	AAT/NAP
Start	1	End	2092
GI	5852093	Score	67
Exons	1..136, 238..345, 2072..2092		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	10226	Seq. ID	OJ990310_06.9819.C28
Gene No.	21698	Strand	-
Start	1149	End	1296
Name	OJ990310_06.9819.C28.o1.gs	Method	GENSCAN
Start	1149	End	1296
GI	none	Score	.78
Exons	1149..1296		

Seq. No.	10227	Seq. ID	OJ990310_06.9819.C29
Gene No.	21699	Strand	-
Start	1	End	2157
Name	OJ990310_06.9819.C29.o1.np	Method	AAT/NAP
Start	1	End	2157
GI	4538896	Score	208
Exons	1..25, 1645..1754, 1805..2065, 2113..2157		
GI Descrip.	(AL049482) putative protein [Arabidopsis thaliana]		

Seq. No.	10227	Seq. ID	OJ990310_06.9819.C29
Gene No.	21699	Strand	-
Start	1	End	2157
Name	OJ990310_06.9819.C29.o1.gs	Method	GENSCAN
Start	870	End	2082
GI	none	Score	.8
Exons	870..1016, 1683..1770, 2000..2082		

Seq. No.	10228	Seq. ID	OJ990310_06.9819.C30
Gene No.	21700	Strand	+
Start	4113	End	4739
Name	OJ990310_06.9819.C30.o1.gp	Method	AAT/GAP
Start	4113	End	4739
GI	2310235	Score	269
Exons	4113..4150, 4600..4739		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	10228	Seq. ID	OJ990310_06.9819.C30

Gene No.	21701	Strand	+
Start	4837	End	5611
Name	OJ990310_06.9819.C30.o2.np	Method	AAT/NAP
Start	4604	End	5611
GI	4680203	Score	1050
Exons	4604..5611		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	10228	Seq. ID	OJ990310_06.9819.C30
Gene No.	21701	Strand	+
Start	4837	End	5611
Name	OJ990310_06.9819.C30.o3.gs	Method	GENSCAN
Start	4837	End	5586
GI	none	Score	.78
Exons	4837..5059, 5183..5586		

Seq. No.	10228	Seq. ID	OJ990310_06.9819.C30
Gene No.	21702	Strand	-
Start	77	End	662
Name	OJ990310_06.9819.C30.o1.gs	Method	GENSCAN
Start	77	End	662
GI	none	Score	.62
Exons	77..181, 621..662		

Seq. No.	10228	Seq. ID	OJ990310_06.9819.C30
Gene No.	21703	Strand	-
Start	1320	End	2058
Name	OJ990310_06.9819.C30.o2.gs	Method	GENSCAN
Start	1320	End	2058
GI	none	Score	1
Exons	1320..1447, 1950..2058		

Seq. No.	10228	Seq. ID	OJ990310_06.9819.C30
Gene No.	21704	Strand	-
Start	3346	End	4771
Name	OJ990310_06.9819.C30.o1.np	Method	AAT/NAP
Start	3346	End	4771
GI	5852084	Score	73
Exons	3346..3455, 4741..4771		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	10228	Seq. ID	OJ990310_06.9819.C30
Gene No.	21705	Strand	
Start	4906	End	5364
Name	OJ990310_06.9819.C30.o1.tw	Method	TBLASTX:Wheat
Start	4906	End	5294
GI	none	Score	94
Exons	4906..5058, 4925..5044, 5041..5286, 5049..5294, 5052..5294		

Seq. No.	10228	Seq. ID	OJ990310_06.9819.C30
Gene No.	21705	Strand	
Start	4906	End	5364
Name	OJ990310_06.9819.C30.o1.ts	Method	TBLASTX:Soybean
Start	5074	End	5364
GI	none	Score	210
Exons	5074..5289, 5112..5312, 5299..5364		

Seq. No.	10229	Seq. ID	OJ990310_06.9819.C31
Gene No.	21706	Strand	+
Start	1	End	1533
Name	OJ990310_06.9819.C31.o1.np	Method	AAT/NAP
Start	1	End	1533
GI	6742729	Score	2220
Exons	1..1533		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	10229	Seq. ID	OJ990310_06.9819.C31
Gene No.	21706	Strand	+
Start	1	End	1533
Name	OJ990310_06.9819.C31.o1.gs	Method	GENSCAN
Start	110	End	1468
GI	none	Score	.54
Exons	110..1036, 1162..1468		

Seq. No.	10229	Seq. ID	OJ990310_06.9819.C31
Gene No.	21707	Strand	-
Start	1	End	1474
Name	OJ990310_06.9819.C31.o1.gp	Method	AAT/GAP
Start	1	End	1474
GI	342_1.R1084	Score	2565
Exons	1..1474		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	10229	Seq. ID	OJ990310_06.9819.C31
Gene No.	21707	Strand	-
Start	1	End	1474
Name	OJ990310_06.9819.C31.o2.tm	Method	TBLASTX:Maize
Start	32	End	295
GI	none	Score	91
Exons	32..91, 101..295		

Seq. No.	10229	Seq. ID	OJ990310_06.9819.C31
Gene No.	21707	Strand	-
Start	1	End	1474
Name	OJ990310_06.9819.C31.o3.tw	Method	TBLASTX:Wheat
Start	32	End	261
GI	none	Score	247
Exons	32..256, 55..261		

Seq. No.	10229	Seq. ID	OJ990310_06.9819.C31
Gene No.	21707	Strand	-
Start	1	End	1474
Name	OJ990310_06.9819.C31.o1.ts	Method	TBLASTX:Soybean
Start	125	End	367
GI	none	Score	199
Exons	125..367		

Seq. No.	10229	Seq. ID	OJ990310_06.9819.C31
Gene No.	21707	Strand	-
Start	1	End	1474
Name	OJ990310_06.9819.C31.o2.tw	Method	TBLASTX:Wheat
Start	400	End	810
GI	none	Score	79

Exons	400..450, 401..463, 449..691, 469..651, 719..808, 725..808, 766..810		
Seq. No.	10229	Seq. ID	OJ990310_06.9819.C31
Gene No.	21707	Strand	-
Start	1	End	1474
Name	OJ990310_06.9819.C31.o1.tw	Method	TBLASTX:Wheat
Start	811	End	1474
GI	none	Score	513
Exons	811..1188, 812..1189, 1019..1189, 1153..1464, 1180..1299, 1188..1460, 1295..1474, 1351..1473		
Seq. No.	10229	Seq. ID	OJ990310_06.9819.C31
Gene No.	21707	Strand	-
Start	1	End	1474
Name	OJ990310_06.9819.C31.o1.tm	Method	TBLASTX:Maize
Start	854	End	1168
GI	none	Score	314
Exons	854..1168, 865..1140, 938..1168		
Seq. No.	10229	Seq. ID	OJ990310_06.9819.C31
Gene No.	21707	Strand	-
Start	1	End	1474
Name	OJ990310_06.9819.C31.o1.tc	Method	TBLASTX:Cress
Start	1099	End	1474
GI	none	Score	71
Exons	1099..1188, 1099..1188, 1103..1189, 1153..1464, 1188..1460, 1295..1474		
Seq. No.	10230	Seq. ID	OJ990310_06.9819.C32
Gene No.	21708	Strand	-
Start	32	End	107
Name	OJ990310_06.9819.C32.o1.gp	Method	AAT/GAP
Start	32	End	107
GI	LIB3431-028-P1-N1-A10	Score	121
Exons	32..107		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		
Seq. No.	10231	Seq. ID	OJ990310_06.9819.C35
Gene No.	21709	Strand	-
Start	56	End	231
Name	OJ990310_06.9819.C35.o1.gs	Method	GENSCAN
Start	56	End	231
GI	none	Score	.85
Exons	56..115, 229..231		
Seq. No.	10232	Seq. ID	OJ990310_06.9819.C36
Gene No.	21710	Strand	+
Start	1	End	1365
Name	OJ990310_06.9819.C36.o2.np	Method	AAT/NAP
Start	1	End	1365
GI	4680203	Score	479
Exons	1..327, 388..976, 1010..1365		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		
Seq. No.	10232	Seq. ID	OJ990310_06.9819.C36

Gene No.	21710	Strand	+
Start	1	End	1365
Name	OJ990310_06.9819.C36.o1.gs	Method	GENSCAN
Start	88	End	1110
GI	none	Score	.57
Exons	88..469, 485..1110		

Seq. No.	10232	Seq. ID	OJ990310_06.9819.C36
Gene No.	21710	Strand	+
Start	1	End	1365
Name	OJ990310_06.9819.C36.o1.tw	Method	TBLASTX:Wheat
Start	652	End	1170
GI	none	Score	187
Exons	652..951, 771..863, 1021..1140, 1045..1170		

Seq. No.	10232	Seq. ID	OJ990310_06.9819.C36
Gene No.	21710	Strand	+
Start	1	End	1365
Name	OJ990310_06.9819.C36.o1.ts	Method	TBLASTX:Soybean
Start	670	End	960
GI	none	Score	236
Exons	670..960, 672..869		

Seq. No.	10233	Seq. ID	OJ990310_06.9819.C37
Gene No.	21711	Strand	+
Start	1	End	1588
Name	OJ990310_06.9819.C37.o1.np	Method	AAT/NAP
Start	1	End	1176
GI	6742729	Score	775
Exons	1..1176		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	10233	Seq. ID	OJ990310_06.9819.C37
Gene No.	21711	Strand	+
Start	1	End	1588
Name	OJ990310_06.9819.C37.o1.gs	Method	GENSCAN
Start	85	End	1588
GI	none	Score	.51
Exons	85..455, 1072..1588		

Seq. No.	10233	Seq. ID	OJ990310_06.9819.C37
Gene No.	21712	Strand	-
Start	2043	End	2360
Name	OJ990310_06.9819.C37.o1.tm	Method	TBLASTX:Maize
Start	315	End	698
GI	none	Score	53
Exons	315..368, 316..384, 385..444, 456..698, 458..697, 459..698		

Seq. No.	10233	Seq. ID	OJ990310_06.9819.C37
Gene No.	21712	Strand	-
Start	2043	End	2360
Name	OJ990310_06.9819.C37.o1.tw	Method	TBLASTX:Wheat
Start	340	End	1540
GI	none	Score	69
Exons	340..438, 443..892, 453..1055, 1103..1261, 1114..1245, 1249..1353, 1250..1354, 1370..1471, 1478..1540		

Seq. No.	10233	Seq. ID	OJ990310_06.9819.C37
Gene No.	21712	Strand	-
Start	2043	End	2360
Name	OJ990310_06.9819.C37.o1.tc	Method	TBLASTX:Cress
Start	630	End	1055
GI	none	Score	293
Exons	630..1055, 638..892		

Seq. No.	10233	Seq. ID	OJ990310_06.9819.C37
Gene No.	21712	Strand	-
Start	2043	End	2360
Name	OJ990310_06.9819.C37.o2.tm	Method	TBLASTX:Maize
Start	948	End	1237
GI	none	Score	85
Exons	948..1103, 950..1075, 1132..1236, 1133..1237		

Seq. No.	10233	Seq. ID	OJ990310_06.9819.C37
Gene No.	21712	Strand	-
Start	2043	End	2360
Name	OJ990310_06.9819.C37.o2.gs	Method	GENSCAN
Start	2043	End	2360
GI	none	Score	.85
Exons	2043..2177, 2307..2360		

Seq. No.	10234	Seq. ID	OJ990310_06.9819.C38
Gene No.	21713	Strand	+
Start	60	End	10987
Name	OJ990310_06.9819.C38.o1.gs	Method	GENSCAN
Start	60	End	10987
GI	none	Score	.52
Exons	60..90, 159..695, 968..1088, 1166..1300, 1476..1586, 1656..1734, 1843..1935, 2023..2107, 2629..2822, 2893..3048, 3546..3573, 4946..5076, 5620..5863, 5977..6123, 9137..9290, 10431..10566, 10613..10987		

Seq. No.	10234	Seq. ID	OJ990310_06.9819.C38
Gene No.	21713	Strand	+
Start	60	End	10987
Name	OJ990310_06.9819.C38.o1.np	Method	AAT/NAP
Start	1452	End	6408
GI	4388818	Score	895
Exons	1452..1476, 5126..6408		
GI Descrip.	(AC006528) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	10234	Seq. ID	OJ990310_06.9819.C38
Gene No.	21714	Strand	+
Start	12006	End	14452
Name	OJ990310_06.9819.C38.o2.gs	Method	GENSCAN
Start	12006	End	14452
GI	none	Score	.64
Exons	12006..12171, 12370..12538, 13101..13189, 14229..14452		

Seq. No.	10234	Seq. ID	OJ990310_06.9819.C38
Gene No.	21715	Strand	-
Start	13495	End	17229
Name	OJ990310_06.9819.C38.o2.np	Method	AAT/NAP

Start	13495	End	16697
GI	6539588	Score	238
Exons	13495..13525, 15693..15956, 16671..16697		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	10234	Seq. ID	OJ990310_06.9819.C38
Gene No.	21715	Strand	-
Start	13495	End	17229
Name	OJ990310_06.9819.C38.o3.gs	Method	GENSCAN
Start	15583	End	17229
GI	none	Score	.46
Exons	15583..15682, 15706..15924, 17192..17229		

Seq. No.	10234	Seq. ID	OJ990310_06.9819.C38
Gene No.	21716	Strand	-
Start	18831	End	20374
Name	OJ990310_06.9819.C38.o1.tw	Method	TBLASTX:Wheat
Start	5117	End	5832
GI	none	Score	166
Exons	5117..5341, 5200..5352, 5380..5832		

Seq. No.	10234	Seq. ID	OJ990310_06.9819.C38
Gene No.	21716	Strand	-
Start	18831	End	20374
Name	OJ990310_06.9819.C38.o1.ts	Method	TBLASTX:Soybean
Start	5137	End	5424
GI	none	Score	204
Exons	5137..5352, 5138..5344, 5214..5351, 5353..5424		

Seq. No.	10234	Seq. ID	OJ990310_06.9819.C38
Gene No.	21716	Strand	-
Start	18831	End	20374
Name	OJ990310_06.9819.C38.o2.tm	Method	TBLASTX:Maize
Start	5488	End	5945
GI	none	Score	113
Exons	5488..5646, 5608..5910, 5673..5897, 5679..5945		

Seq. No.	10234	Seq. ID	OJ990310_06.9819.C38
Gene No.	21716	Strand	-
Start	18831	End	20374
Name	OJ990310_06.9819.C38.o1.tm	Method	TBLASTX:Maize
Start	5988	End	6402
GI	none	Score	274
Exons	5988..6239, 5990..6235, 6015..6236, 6230..6319, 6274..6339, 6324..6395, 6325..6402, 6327..6395		

Seq. No.	10234	Seq. ID	OJ990310_06.9819.C38
Gene No.	21716	Strand	-
Start	18831	End	20374
Name	OJ990310_06.9819.C38.o2.ts	Method	TBLASTX:Soybean
Start	6009	End	6271
GI	none	Score	175
Exons	6009..6230, 6033..6236, 6233..6271		

Seq. No.	10234	Seq. ID	OJ990310_06.9819.C38
Gene No.	21716	Strand	-
Start	18831	End	20374

Name	OJ990310_06.9819.C38.o4.gs	Method	GENSCAN
Start	18831	End	20374
GI	none	Score	.85
Exons	18831..19013, 19286..19358, 19443..19588, 19648..19821, 19955..20374		

Seq. No.	10235	Seq. ID	OJ990310_06.9819.C39
Gene No.	21717	Strand	-
Start	1	End	2314
Name	OJ990310_06.9819.C39.o1.np	Method	AAT/NAP
Start	1	End	2310
GI	4680204	Score	906
Exons	1..778, 874..2310		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	10235	Seq. ID	OJ990310_06.9819.C39
Gene No.	21717	Strand	-
Start	1	End	2314
Name	OJ990310_06.9819.C39.o1.gs	Method	GENSCAN
Start	160	End	2314
GI	none	Score	.83
Exons	160..367, 369..511, 637..778, 874..2073, 2140..2314		

Seq. No.	10235	Seq. ID	OJ990310_06.9819.C39
Gene No.	21717	Strand	-
Start	1	End	2314
Name	OJ990310_06.9819.C39.o2.tw	Method	TBLASTX:Wheat
Start	566	End	1263
GI	none	Score	35
Exons	566..784, 567..602, 711..785, 868..942, 1183..1263		

Seq. No.	10235	Seq. ID	OJ990310_06.9819.C39
Gene No.	21717	Strand	-
Start	1	End	2314
Name	OJ990310_06.9819.C39.o1.tw	Method	TBLASTX:Wheat
Start	1264	End	1667
GI	none	Score	50
Exons	1264..1428, 1265..1339, 1397..1564, 1435..1665, 1516..1665, 1551..1667		

Seq. No.	10236	Seq. ID	OJ990310_06.9819.C40
Gene No.	21718	Strand	+
Start	477	End	554
Name	OJ990310_06.9819.C40.o1.gs	Method	GENSCAN
Start	477	End	554
GI	none	Score	.53
Exons	477..554		

Seq. No.	10237	Seq. ID	OJ990310_06.9819.C45
Gene No.	21719	Strand	-
Start	218	End	537
Name	OJ990310_06.9819.C45.o1.gs	Method	GENSCAN
Start	218	End	537
GI	none	Score	.55
Exons	218..334, 465..537		

Seq. No.	10238	Seq. ID	OJ990310_06.9819.C46

Gene No.	21720	Strand	+
Start	1975	End	2393
Name	OJ990310_06.9819.C46.o1.gs	Method	GENSCAN
Start	1975	End	2393
GI	none	Score	.65
Exons	1975..2082, 2313..2393		

Seq. No.	10238	Seq. ID	OJ990310_06.9819.C46
Gene No.	21721	Strand	+
Start	3961	End	4099
Name	OJ990310_06.9819.C46.o1.np	Method	AAT/NAP
Start	3961	End	4099
GI	5852093	Score	65
Exons	3961..4099		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	10238	Seq. ID	OJ990310_06.9819.C46
Gene No.	21722	Strand	-
Start	3150	End	3651
Name	OJ990310_06.9819.C46.o2.gs	Method	GENSCAN
Start	3150	End	3651
GI	none	Score	.53
Exons	3150..3207, 3587..3651		

Seq. No.	10239	Seq. ID	OJ990310_06.9819.C50
Gene No.	21723	Strand	+
Start	919	End	1134
Name	OJ990310_06.9819.C50.o1.gs	Method	GENSCAN
Start	919	End	1134
GI	none	Score	.48
Exons	919..1134		

Seq. No.	10240	Seq. ID	OJ990310_06.9819.C51
Gene No.	21724	Strand	
Start	588	End	884
Name	OJ990310_06.9819.C51.o1.tm	Method	TBLASTX:Maize
Start	588	End	884
GI	none	Score	202
Exons	588..848, 591..884		

Seq. No.	10241	Seq. ID	OJ990310_06.9819.C52
Gene No.	21725	Strand	-
Start	52	End	1522
Name	OJ990310_06.9819.C52.o1.gs	Method	GENSCAN
Start	52	End	1522
GI	none	Score	.67
Exons	52..164, 1417..1522		

Seq. No.	10242	Seq. ID	OJ990310_06.9819.C54
Gene No.	21726	Strand	-
Start	6102	End	6305
Name	OJ990310_06.9819.C54.o2.tm	Method	TBLASTX:Maize
Start	1859	End	2233
GI	none	Score	59
Exons	1859..2173, 2162..2233		

Seq. No.	10242	Seq. ID	OJ990310_06.9819.C54

Gene No.	21726	Strand	-
Start	6102	End	6305
Name	OJ990310_06.9819.C54.o1.tm	Method	TBLASTX:Maize
Start	2430	End	2734
GI	none	Score	61
Exons	2430..2516, 2438..2521, 2516..2590, 2520..2579, 2576..2734, 2579..2728		

Seq. No.	10242	Seq. ID	OJ990310_06.9819.C54
Gene No.	21726	Strand	-
Start	6102	End	6305
Name	OJ990310_06.9819.C54.o1.tw	Method	TBLASTX:Wheat
Start	2438	End	2774
GI	none	Score	95
Exons	2438..2467, 2468..2725, 2475..2618, 2492..2734, 2730..2774		

Seq. No.	10242	Seq. ID	OJ990310_06.9819.C54
Gene No.	21726	Strand	-
Start	6102	End	6305
Name	OJ990310_06.9819.C54.o2.gs	Method	GENSCAN
Start	6102	End	6305
GI	none	Score	.85
Exons	6102..6305		

Seq. No.	10243	Seq. ID	OJ990310_07.9819.C1
Gene No.	21727	Strand	-
Start	491	End	507
Name	OJ990310_07.9819.C1.o1.gs	Method	GENSCAN
Start	491	End	507
GI	none	Score	.54
Exons	491..507		

Seq. No.	10244	Seq. ID	OJ990310_07.9819.C2
Gene No.	21728	Strand	+
Start	409	End	564
Name	OJ990310_07.9819.C2.o1.gs	Method	GENSCAN
Start	409	End	564
GI	none	Score	.41
Exons	409..564		

Seq. No.	10245	Seq. ID	OJ990310_07.9819.C3
Gene No.	21729	Strand	-
Start	1	End	398
Name	OJ990310_07.9819.C3.o1.np	Method	AAT/NAP
Start	1	End	239
GI	6117896	Score	108
Exons	1..239		
GI Descrip.	(AL132644) precorrin-2 C20-methyltransferase (EC 2.1.1.130) [Streptomyces coelicolor A3(2)]		

Seq. No.	10245	Seq. ID	OJ990310_07.9819.C3
Gene No.	21729	Strand	-
Start	1	End	398
Name	OJ990310_07.9819.C3.o1.gs	Method	GENSCAN
Start	113	End	398
GI	none	Score	.56
Exons	113..398		

Seq. No.	10246	Seq. ID	OJ990310_07.9819.C4
Gene No.	21730	Strand	-
Start	1	End	3389
Name	OJ990310_07.9819.C4.o1.np	Method	AAT/NAP
Start	1	End	630
GI	6539588	Score	111
Exons	1..55, 468..630		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	10246	Seq. ID	OJ990310_07.9819.C4
Gene No.	21730	Strand	-
Start	1	End	3389
Name	OJ990310_07.9819.C4.o1.gs	Method	GENSCAN
Start	450	End	3290
GI	none	Score	.61
Exons	450..567, 2014..2191, 3194..3290		

Seq. No.	10246	Seq. ID	OJ990310_07.9819.C4
Gene No.	21730	Strand	-
Start	1	End	3389
Name	OJ990310_07.9819.C4.o2.np	Method	AAT/NAP
Start	2532	End	3389
GI	4416302	Score	878
Exons	2532..3389		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	10246	Seq. ID	OJ990310_07.9819.C4
Gene No.	21730	Strand	-
Start	1	End	3389
Name	OJ990310_07.9819.C4.o1.tm	Method	TBLASTX:Maize
Start	2562	End	3227
GI	none	Score	375
Exons	2562..3227, 2563..3201		

Seq. No.	10246	Seq. ID	OJ990310_07.9819.C4
Gene No.	21730	Strand	-
Start	1	End	3389
Name	OJ990310_07.9819.C4.o1.ts	Method	TBLASTX:Soybean
Start	2562	End	3191
GI	none	Score	57
Exons	2562..2783, 2599..2769, 2802..3191, 2845..3093		

Seq. No.	10246	Seq. ID	OJ990310_07.9819.C4
Gene No.	21730	Strand	-
Start	1	End	3389
Name	OJ990310_07.9819.C4.o1.tc	Method	TBLASTX:Cress
Start	2571	End	2918
GI	none	Score	81
Exons	2571..2765, 2787..2918		

Seq. No.	10246	Seq. ID	OJ990310_07.9819.C4
Gene No.	21730	Strand	-
Start	1	End	3389
Name	OJ990310_07.9819.C4.o1.tw	Method	TBLASTX:Wheat
Start	2598	End	3032
GI	none	Score	85

Exons	2598..2774, 2598..2780, 2793..3032		
Seq. No.	10246	Seq. ID	OJ990310_07.9819.C4
Gene No.	21730	Strand	-
Start	1	End	3389
Name	OJ990310_07.9819.C4.o2.tw	Method	TBLASTX:Wheat
Start	3036	End	3386
GI	none	Score	96
Exons	3036..3212, 3237..3386		
Seq. No.	10247	Seq. ID	OJ990310_07.9819.C5
Gene No.	21731	Strand	-
Start	1	End	1236
Name	OJ990310_07.9819.C5.o1.np	Method	AAT/NAP
Start	1	End	1236
GI	4416302	Score	553
Exons	1..67, 521..1236		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		
Seq. No.	10247	Seq. ID	OJ990310_07.9819.C5
Gene No.	21731	Strand	-
Start	1	End	1236
Name	OJ990310_07.9819.C5.o1.ts	Method	TBLASTX:Soybean
Start	522	End	986
GI	none	Score	148
Exons	522..656, 675..986, 682..969		
Seq. No.	10247	Seq. ID	OJ990310_07.9819.C5
Gene No.	21731	Strand	-
Start	1	End	1236
Name	OJ990310_07.9819.C5.o1.tm	Method	TBLASTX:Maize
Start	525	End	1160
GI	none	Score	271
Exons	525..677, 672..1094, 673..1032, 1095..1160		
Seq. No.	10247	Seq. ID	OJ990310_07.9819.C5
Gene No.	21731	Strand	-
Start	1	End	1236
Name	OJ990310_07.9819.C5.o1.tc	Method	TBLASTX:Cress
Start	526	End	969
GI	none	Score	75
Exons	526..663, 531..662, 678..968, 807..890, 883..969		
Seq. No.	10247	Seq. ID	OJ990310_07.9819.C5
Gene No.	21731	Strand	-
Start	1	End	1236
Name	OJ990310_07.9819.C5.o1.gs	Method	GENSCAN
Start	690	End	1190
GI	none	Score	.77
Exons	690..1190		
Seq. No.	10247	Seq. ID	OJ990310_07.9819.C5
Gene No.	21731	Strand	-
Start	1	End	1236
Name	OJ990310_07.9819.C5.o1.tw	Method	TBLASTX:Wheat
Start	828	End	1115
GI	none	Score	143

Exons	828..1115, 829..1002, 837..1007		
Seq. No.	10248	Seq. ID	OJ990310_07.9819.C6
Gene No.	21732	Strand	+
Start	551	End	588
Name	OJ990310_07.9819.C6.o1.gs	Method	GENSCAN
Start	551	End	588
GI	none	Score	.83
Exons	551..588		
Seq. No.	10249	Seq. ID	OJ990310_07.9819.C7
Gene No.	21733	Strand	+
Start	1027	End	1434
Name	OJ990310_07.9819.C7.o4.gp	Method	AAT/GAP
Start	1027	End	1434
GI	LIB3431-028-P1-N1-A10	Score	750
Exons	1027..1434		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		
Seq. No.	10249	Seq. ID	OJ990310_07.9819.C7
Gene No.	21734	Strand	-
Start	167	End	1585
Name	OJ990310_07.9819.C7.o1.gp	Method	AAT/GAP
Start	167	End	1585
GI	342_1.R1084	Score	1904
Exons	167..673, 783..880, 963..982, 1018..1585		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		
Seq. No.	10249	Seq. ID	OJ990310_07.9819.C7
Gene No.	21734	Strand	-
Start	167	End	1585
Name	OJ990310_07.9819.C7.o1.np	Method	AAT/NAP
Start	1084	End	1585
GI	4680203	Score	368
Exons	1084..1585		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		
Seq. No.	10249	Seq. ID	OJ990310_07.9819.C7
Gene No.	21734	Strand	-
Start	167	End	1585
Name	OJ990310_07.9819.C7.o1.tw	Method	TBLASTX:Wheat
Start	1168	End	1532
GI	none	Score	119
Exons	1168..1221, 1222..1272, 1302..1415, 1315..1416, 1390..1485, 1422..1481, 1488..1532, 1493..1528		
Seq. No.	10250	Seq. ID	OJ990310_07.9819.C8
Gene No.	21735	Strand	-
Start	1	End	2118
Name	OJ990310_07.9819.C8.o1.gp	Method	AAT/GAP
Start	1	End	2113
GI	342_1.R1084	Score	3736
Exons	1..2113		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	10250	Seq. ID	OJ990310_07.9819.C8
Gene No.	21735	Strand	-
Start	1	End	2118
Name	OJ990310_07.9819.C8.o1.np	Method	AAT/NAP
Start	1	End	1962
GI	6742729	Score	3067
Exons	1..1962		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	10250	Seq. ID	OJ990310_07.9819.C8
Gene No.	21735	Strand	-
Start	1	End	2118
Name	OJ990310_07.9819.C8.o1.tw	Method	TBLASTX:Wheat
Start	3	End	835
GI	none	Score	35
Exons	3..38, 61..834, 64..249, 290..835		

Seq. No.	10250	Seq. ID	OJ990310_07.9819.C8
Gene No.	21735	Strand	-
Start	1	End	2118
Name	OJ990310_07.9819.C8.o1.tc	Method	TBLASTX:Cress
Start	100	End	551
GI	none	Score	83
Exons	100..249, 100..543, 104..253, 110..547, 290..547, 369..551		

Seq. No.	10250	Seq. ID	OJ990310_07.9819.C8
Gene No.	21735	Strand	-
Start	1	End	2118
Name	OJ990310_07.9819.C8.o1.gs	Method	GENSCAN
Start	177	End	1896
GI	none	Score	.63
Exons	177..1896		

Seq. No.	10250	Seq. ID	OJ990310_07.9819.C8
Gene No.	21735	Strand	-
Start	1	End	2118
Name	OJ990310_07.9819.C8.o2.tm	Method	TBLASTX:Maize
Start	478	End	792
GI	none	Score	68
Exons	478..708, 478..792, 506..781		

Seq. No.	10250	Seq. ID	OJ990310_07.9819.C8
Gene No.	21735	Strand	-
Start	1	End	2118
Name	OJ990310_07.9819.C8.o3.tw	Method	TBLASTX:Wheat
Start	836	End	1246
GI	none	Score	74
Exons	836..922, 838..927, 838..921, 955..1173, 995..1177, 1183..1245, 1196..1246		

Seq. No.	10250	Seq. ID	OJ990310_07.9819.C8
Gene No.	21735	Strand	-
Start	1	End	2118
Name	OJ990310_07.9819.C8.o2.ts	Method	TBLASTX:Soybean
Start	1279	End	1521
GI	none	Score	208

Exons	1279..1521		
Seq. No.	10250	Seq. ID	OJ990310_07.9819.C8
Gene No.	21735	Strand	-
Start	1	End	2118
Name	OJ990310_07.9819.C8.o1.tm	Method	TBLASTX:Maize
Start	1351	End	1809
GI	none	Score	103
Exons	1351..1545, 1555..1809, 1555..1797		
Seq. No.	10250	Seq. ID	OJ990310_07.9819.C8
Gene No.	21735	Strand	-
Start	1	End	2118
Name	OJ990310_07.9819.C8.o2.tw	Method	TBLASTX:Wheat
Start	1385	End	1854
GI	none	Score	144
Exons	1385..1591, 1390..1593, 1390..1614, 1594..1692, 1595..1687, 1696..1800, 1700..1789, 1801..1854, 1802..1846		
Seq. No.	10250	Seq. ID	OJ990310_07.9819.C8
Gene No.	21735	Strand	-
Start	1	End	2118
Name	OJ990310_07.9819.C8.o2.tc	Method	TBLASTX:Cress
Start	1642	End	1984
GI	none	Score	88
Exons	1642..1983, 1661..1798, 1838..1984		
Seq. No.	10250	Seq. ID	OJ990310_07.9819.C8
Gene No.	21735	Strand	-
Start	1	End	2118
Name	OJ990310_07.9819.C8.o1.ts	Method	TBLASTX:Soybean
Start	1723	End	2118
GI	none	Score	121
Exons	1723..2019, 1741..1965, 2077..2118		
Seq. No.	10251	Seq. ID	OJ990310_07.9819.C9
Gene No.	21736	Strand	+
Start	1	End	2698
Name	OJ990310_07.9819.C9.o1.np	Method	AAT/NAP
Start	1	End	2698
GI	4680179	Score	3686
Exons	1..2698		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	10251	Seq. ID	OJ990310_07.9819.C9
Gene No.	21736	Strand	+
Start	1	End	2698
Name	OJ990310_07.9819.C9.o4.tw	Method	TBLASTX:Wheat
Start	1	End	411
GI	none	Score	455
Exons	1..411, 43..345		
Seq. No.	10251	Seq. ID	OJ990310_07.9819.C9
Gene No.	21736	Strand	+
Start	1	End	2698
Name	OJ990310_07.9819.C9.o3.ts	Method	TBLASTX:Soybean
Start	1	End	279

GI	none	Score	179
Exons	1..279		

Seq. No.	10251	Seq. ID	OJ990310_07.9819.C9
Gene No.	21736	Strand	+
Start	1	End	2698
Name	OJ990310_07.9819.C9.o4.tm	Method	TBLASTX:Maize
Start	1	End	465
GI	none	Score	366
Exons	1..465, 73..246, 264..458		

Seq. No.	10251	Seq. ID	OJ990310_07.9819.C9
Gene No.	21736	Strand	+
Start	1	End	2698
Name	OJ990310_07.9819.C9.o1.gs	Method	GENSCAN
Start	109	End	2624
GI	none	Score	.46
Exons	109..780, 828..2624		

Seq. No.	10251	Seq. ID	OJ990310_07.9819.C9
Gene No.	21736	Strand	+
Start	1	End	2698
Name	OJ990310_07.9819.C9.o1.ts	Method	TBLASTX:Soybean
Start	352	End	681
GI	none	Score	57
Exons	352..384, 354..383, 388..543, 541..681	388..531, 456..557, 537..680,	

Seq. No.	10251	Seq. ID	OJ990310_07.9819.C9
Gene No.	21736	Strand	+
Start	1	End	2698
Name	OJ990310_07.9819.C9.o6.tw	Method	TBLASTX:Wheat
Start	460	End	696
GI	none	Score	110
Exons	460..543, 462..557, 532..696,	540..680, 547..690	

Seq. No.	10251	Seq. ID	OJ990310_07.9819.C9
Gene No.	21736	Strand	+
Start	1	End	2698
Name	OJ990310_07.9819.C9.o5.tm	Method	TBLASTX:Maize
Start	532	End	762
GI	none	Score	233
Exons	532..762, 549..761		

Seq. No.	10251	Seq. ID	OJ990310_07.9819.C9
Gene No.	21736	Strand	+
Start	1	End	2698
Name	OJ990310_07.9819.C9.o3.tw	Method	TBLASTX:Wheat
Start	697	End	1118
GI	none	Score	112
Exons	697..813, 729..812, 807..1118,	809..1117	

Seq. No.	10251	Seq. ID	OJ990310_07.9819.C9
Gene No.	21736	Strand	+
Start	1	End	2698
Name	OJ990310_07.9819.C9.o2.tm	Method	TBLASTX:Maize
Start	769	End	1121

GI	none	Score	48
Exons	769..813, 807..1121, 809..1117		
Seq. No.	10251	Seq. ID	OJ990310_07.9819.C9
Gene No.	21736	Strand	+
Start	1	End	2698
Name	OJ990310_07.9819.C9.o2.tw	Method	TBLASTX:Wheat
Start	1121	End	1688
GI	none	Score	639
Exons	1121..1687, 1152..1688		
Seq. No.	10251	Seq. ID	OJ990310_07.9819.C9
Gene No.	21736	Strand	+
Start	1	End	2698
Name	OJ990310_07.9819.C9.o2.ts	Method	TBLASTX:Soybean
Start	1476	End	1736
GI	none	Score	276
Exons	1476..1736, 1481..1735		
Seq. No.	10251	Seq. ID	OJ990310_07.9819.C9
Gene No.	21736	Strand	+
Start	1	End	2698
Name	OJ990310_07.9819.C9.o3.tm	Method	TBLASTX:Maize
Start	1535	End	1826
GI	none	Score	369
Exons	1535..1822, 1536..1826		
Seq. No.	10251	Seq. ID	OJ990310_07.9819.C9
Gene No.	21736	Strand	+
Start	1	End	2698
Name	OJ990310_07.9819.C9.o1.tw	Method	TBLASTX:Wheat
Start	1695	End	2321
GI	none	Score	700
Exons	1695..2321, 1751..2209		
Seq. No.	10251	Seq. ID	OJ990310_07.9819.C9
Gene No.	21736	Strand	+
Start	1	End	2698
Name	OJ990310_07.9819.C9.o1.tm	Method	TBLASTX:Maize
Start	1875	End	2474
GI	none	Score	231
Exons	1875..2036, 1883..2029, 2034..2474, 2036..2458		
Seq. No.	10251	Seq. ID	OJ990310_07.9819.C9
Gene No.	21736	Strand	+
Start	1	End	2698
Name	OJ990310_07.9819.C9.o5.tw	Method	TBLASTX:Wheat
Start	2321	End	2606
GI	none	Score	304
Exons	2321..2587, 2322..2606		
Seq. No.	10252	Seq. ID	OJ990310_07.9819.C10
Gene No.	21737	Strand	+
Start	729	End	1173
Name	OJ990310_07.9819.C10.o1.gp	Method	AAT/GAP
Start	729	End	1173
GI	LIB3431-028-P1-N1-A10	Score	754

Exons	729..799, 827..1173		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	10252	Seq. ID	OJ990310_07.9819.C10
Gene No.	21738	Strand	-
Start	792	End	1320
Name	OJ990310_07.9819.C10.o1.gs	Method	GENSCAN
Start	792	End	1169
GI	none	Score	.92
Exons	792..1169		

Seq. No.	10252	Seq. ID	OJ990310_07.9819.C10
Gene No.	21738	Strand	-
Start	792	End	1320
Name	OJ990310_07.9819.C10.o1.np	Method	AAT/NAP
Start	813	End	1320
GI	4680203	Score	426
Exons	813..1320		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	10252	Seq. ID	OJ990310_07.9819.C10
Gene No.	21738	Strand	-
Start	792	End	1320
Name	OJ990310_07.9819.C10.o1.tw	Method	TBLASTX:Wheat
Start	867	End	1271
GI	none	Score	119
Exons	867..959, 948..1028, 1033..1152, 1041..1154, 1042..1155, 1129..1224, 1161..1220, 1227..1271, 1232..1267		

Seq. No.	10253	Seq. ID	OJ990310_07.9819.C11
Gene No.	21739	Strand	+
Start	8216	End	13025
Name	OJ990310_07.9819.C11.o4.np	Method	AAT/NAP
Start	8216	End	13025
GI	6633814	Score	81
Exons	8216..8772, 13004..13025		
GI Descrip.	(AC009519) F1N19.11 [Arabidopsis thaliana]		

Seq. No.	10253	Seq. ID	OJ990310_07.9819.C11
Gene No.	21739	Strand	+
Start	8216	End	13025
Name	OJ990310_07.9819.C11.o3.gs	Method	GENSCAN
Start	8955	End	10241
GI	none	Score	.87
Exons	8955..9071, 9646..9780, 9882..10241		

Seq. No.	10253	Seq. ID	OJ990310_07.9819.C11
Gene No.	21740	Strand	-
Start	67	End	4064
Name	OJ990310_07.9819.C11.o1.gp	Method	AAT/GAP
Start	67	End	2788
GI	342_1.R1084	Score	4402
Exons	67..2788		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	10253	Seq. ID	OJ990310_07.9819.C11
Gene No.	21740	Strand	-
Start	67	End	4064
Name	OJ990310_07.9819.C11.o1.np	Method	AAT/NAP
Start	100	End	1999
GI	6742729	Score	2839
Exons	100..1999		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	10253	Seq. ID	OJ990310_07.9819.C11
Gene No.	21740	Strand	-
Start	67	End	4064
Name	OJ990310_07.9819.C11.o1.gs	Method	GENSCAN
Start	216	End	4064
GI	none	Score	.88
Exons	216..1076, 1208..1663, 1798..1952, 2000..2332, 2422..2792, 3308..3349, 4059..4064		

Seq. No.	10253	Seq. ID	OJ990310_07.9819.C11
Gene No.	21740	Strand	-
Start	67	End	4064
Name	OJ990310_07.9819.C11.o2.np	Method	AAT/NAP
Start	2463	End	3730
GI	5852182	Score	419
Exons	2463..2792, 3591..3730		
GI Descrip.	(AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	10253	Seq. ID	OJ990310_07.9819.C11
Gene No.	21741	Strand	-
Start	5764	End	13055
Name	OJ990310_07.9819.C11.o1.tw	Method	TBLASTX:Wheat
Start	67	End	874
GI	none	Score	100
Exons	67..141, 67..141, 69..149, 139..873, 163..288, 173..874		

Seq. No.	10253	Seq. ID	OJ990310_07.9819.C11
Gene No.	21741	Strand	-
Start	5764	End	13055
Name	OJ990310_07.9819.C11.o1:tc	Method	TBLASTX:Cress
Start	138	End	586
GI	none	Score	78
Exons	138..389, 160..582, 163..288, 164..586, 173..586		

Seq. No.	10253	Seq. ID	OJ990310_07.9819.C11
Gene No.	21741	Strand	-
Start	5764	End	13055
Name	OJ990310_07.9819.C11.o1.tm	Method	TBLASTX:Maize
Start	517	End	831
GI	none	Score	140
Exons	517..831, 545..820		

Seq. No.	10253	Seq. ID	OJ990310_07.9819.C11
Gene No.	21741	Strand	-
Start	5764	End	13055
Name	OJ990310_07.9819.C11.o3.tw	Method	TBLASTX:Wheat
Start	875	End	1284
GI	none	Score	65

Exons	875..961, 877..960, 994..1107, 1034..1102, 1106..1204, 1107..1235, 1111..1215, 1221..1283, 1234..1284		
Seq. No.	10253	Seq. ID	OJ990310_07.9819.C11
Gene No.	21741	Strand	-
Start	5764	End	13055
Name	OJ990310_07.9819.C11.o2.ts	Method	TBLASTX:Soybean
Start	1317	End	1559
GI	none	Score	69
Exons	1317..1559, 1375..1521		
Seq. No.	10253	Seq. ID	OJ990310_07.9819.C11
Gene No.	21741	Strand	-
Start	5764	End	13055
Name	OJ990310_07.9819.C11.o2.tm	Method	TBLASTX:Maize
Start	1392	End	1844
GI	none	Score	71
Exons	1392..1583, 1593..1718, 1594..1719, 1712..1834, 1713..1844		
Seq. No.	10253	Seq. ID	OJ990310_07.9819.C11
Gene No.	21741	Strand	-
Start	5764	End	13055
Name	OJ990310_07.9819.C11.o2.tw	Method	TBLASTX:Wheat
Start	1423	End	1891
GI	none	Score	117
Exons	1423..1629, 1423..1632, 1428..1667, 1632..1712, 1632..1718, 1633..1719, 1733..1837, 1737..1838, 1835..1891, 1839..1883		
Seq. No.	10253	Seq. ID	OJ990310_07.9819.C11
Gene No.	21741	Strand	-
Start	5764	End	13055
Name	OJ990310_07.9819.C11.o2.tc	Method	TBLASTX:Cress
Start	1712	End	2021
GI	none	Score	61
Exons	1712..2020, 1740..1826, 1875..2021		
Seq. No.	10253	Seq. ID	OJ990310_07.9819.C11
Gene No.	21741	Strand	-
Start	5764	End	13055
Name	OJ990310_07.9819.C11.o1.ts	Method	TBLASTX:Soybean
Start	1760	End	2170
GI	none	Score	106
Exons	1760..2020, 1781..2002, 2032..2094, 2087..2170, 2095..2169		
Seq. No.	10253	Seq. ID	OJ990310_07.9819.C11
Gene No.	21741	Strand	-
Start	5764	End	13055
Name	OJ990310_07.9819.C11.o4.tw	Method	TBLASTX:Wheat
Start	2086	End	2486
GI	none	Score	137
Exons	2086..2319, 2097..2336, 2099..2299, 2101..2337, 2102..2350, 2316..2351, 2319..2351, 2334..2486, 2348..2467		
Seq. No.	10253	Seq. ID	OJ990310_07.9819.C11
Gene No.	21741	Strand	-
Start	5764	End	13055
Name	OJ990310_07.9819.C11.o3.np	Method	AAT/NAP

Start	5764	End	11294
GI	4006831	Score	84
Exons	5764..5926, 6852..6941, 11272..11294		
GI Descrip.	(AC005970) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	10253	Seq. ID	OJ990310_07.9819.C11
Gene No.	21741	Strand	-
Start	5764	End	13055
Name	OJ990310_07.9819.C11.o2.gs	Method	GENSCAN
Start	5864	End	8686
GI	none	Score	.78
Exons	5864..5943, 7968..8060, 8065..8334, 8416..8686		

Seq. No.	10253	Seq. ID	OJ990310_07.9819.C11
Gene No.	21741	Strand	-
Start	5764	End	13055
Name	OJ990310_07.9819.C11.o4.gp	Method	AAT/GAP
Start	10652	End	10800
GI	21474_1.R1084	Score	257
Exons	10652..10800		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	10253	Seq. ID	OJ990310_07.9819.C11
Gene No.	21741	Strand	-
Start	5764	End	13055
Name	OJ990310_07.9819.C11.o4.gs	Method	GENSCAN
Start	11170	End	13055
GI	none	Score	.69
Exons	11170..11355, 11435..11533, 11628..11700, 11785..11895, 11992..12165, 12275..13055		

Seq. No.	10254	Seq. ID	OJ990310_07.9819.C12
Gene No.	21742	Strand	-
Start	1	End	1812
Name	OJ990310_07.9819.C12.o1.np	Method	AAT/NAP
Start	1	End	1812
GI	4680204	Score	866
Exons	1..301, 376..1812		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	10254	Seq. ID	OJ990310_07.9819.C12
Gene No.	21742	Strand	-
Start	1	End	1812
Name	OJ990310_07.9819.C12.o1.tw	Method	TBLASTX:Wheat
Start	766	End	1169
GI	none	Score	85
Exons	766..936, 899..1066, 931..1167, 1018..1167, 1029..1169, 1059..1169		

Seq. No.	10255	Seq. ID	OJ990310_07.9819.C13
Gene No.	21743	Strand	+
Start	77	End	384
Name	OJ990310_07.9819.C13.o1.gs	Method	GENSCAN
Start	77	End	384
GI	none	Score	.88

Exons	77..384		
Seq. No.	10256	Seq. ID	OJ990310_07.9819.C14
Gene No.	21744	Strand	-
Start	496	End	1310
Name	OJ990310_07.9819.C14.o1.gs	Method	GENSCAN
Start	496	End	898
GI	none	Score	.47
Exons	496..898		
Seq. No.	10256	Seq. ID	OJ990310_07.9819.C14
Gene No.	21744	Strand	-
Start	496	End	1310
Name	OJ990310_07.9819.C14.o1.np	Method	AAT/NAP
Start	499	End	1310
GI	4680179	Score	818
Exons	499..1310		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	10256	Seq. ID	OJ990310_07.9819.C14
Gene No.	21744	Strand	-
Start	496	End	1310
Name	OJ990310_07.9819.C14.o1.tw	Method	TBLASTX:Wheat
Start	544	End	965
GI	none	Score	120
Exons	544..909, 565..873, 608..892, 909..965		
Seq. No.	10256	Seq. ID	OJ990310_07.9819.C14
Gene No.	21744	Strand	-
Start	496	End	1310
Name	OJ990310_07.9819.C14.o1.tm	Method	TBLASTX:Maize
Start	724	End	1119
GI	none	Score	96
Exons	724..909, 740..913, 912..1118, 979..1119		
Seq. No.	10257	Seq. ID	OJ990310_07.9819.C15
Gene No.	21745	Strand	-
Start	445	End	6308
Name	OJ990310_07.9819.C15.o2.tw	Method	TBLASTX:Wheat
Start	421	End	1035
GI	none	Score	77
Exons	421..546, 544..1035, 773..874, 856..885, 926..1015		
Seq. No.	10257	Seq. ID	OJ990310_07.9819.C15
Gene No.	21745	Strand	-
Start	445	End	6308
Name	OJ990310_07.9819.C15.o1.np	Method	AAT/NAP
Start	445	End	6308
GI	5922631	Score	5693
Exons	445..2972, 3579..4482, 4609..5234, 5280..5376, 6281..6308		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	10257	Seq. ID	OJ990310_07.9819.C15
Gene No.	21745	Strand	-
Start	445	End	6308
Name	OJ990310_07.9819.C15.o4.tm	Method	TBLASTX:Maize
Start	460	End	723
GI	none	Score	100
Exons	460..561, 461..562, 541..723, 542..667		

Seq. No.	10257	Seq. ID	OJ990310_07.9819.C15
Gene No.	21745	Strand	-
Start	445	End	6308
Name	OJ990310_07.9819.C15.o5.tm	Method	TBLASTX:Maize
Start	805	End	1078
GI	none	Score	59
Exons	805..891, 901..984, 914..988, 971..1078, 979..1077		

Seq. No.	10257	Seq. ID	OJ990310_07.9819.C15
Gene No.	21745	Strand	-
Start	445	End	6308
Name	OJ990310_07.9819.C15.o3.tw	Method	TBLASTX:Wheat
Start	1148	End	1539
GI	none	Score	54
Exons	1148..1195, 1150..1539, 1150..1536		

Seq. No.	10257	Seq. ID	OJ990310_07.9819.C15
Gene No.	21745	Strand	-
Start	445	End	6308
Name	OJ990310_07.9819.C15.o1.tm	Method	TBLASTX:Maize
Start	1180	End	1545
GI	none	Score	257
Exons	1180..1227, 1219..1536, 1220..1522, 1237..1545		

Seq. No.	10257	Seq. ID	OJ990310_07.9819.C15
Gene No.	21745	Strand	-
Start	445	End	6308
Name	OJ990310_07.9819.C15.o7.tw	Method	TBLASTX:Wheat
Start	1705	End	1995
GI	none	Score	77
Exons	1705..1995, 1711..1962, 1856..1990		

Seq. No.	10257	Seq. ID	OJ990310_07.9819.C15
Gene No.	21745	Strand	-
Start	445	End	6308
Name	OJ990310_07.9819.C15.o2.ts	Method	TBLASTX:Soybean
Start	1898	End	2286
GI	none	Score	123
Exons	1898..2146, 1900..2142, 2182..2286, 2192..2278		

Seq. No.	10257	Seq. ID	OJ990310_07.9819.C15
Gene No.	21745	Strand	-
Start	445	End	6308
Name	OJ990310_07.9819.C15.o7.tm	Method	TBLASTX:Maize
Start	1957	End	2223
GI	none	Score	123
Exons	1957..2049, 2053..2223		

Seq. No.	10257	Seq. ID	OJ990310_07.9819.C15
Gene No.	21745	Strand	-
Start	445	End	6308
Name	OJ990310_07.9819.C15.o5.tw	Method	TBLASTX:Wheat
Start	1996	End	2404
GI	none	Score	131
Exons	1996..2142, 1997..2143, 2173..2403, 2186..2404		

Seq. No.	10257	Seq. ID	OJ990310_07.9819.C15
Gene No.	21745	Strand	-
Start	445	End	6308
Name	OJ990310_07.9819.C15.o3.tm	Method	TBLASTX:Maize
Start	2401	End	2845
GI	none	Score	58
Exons	2401..2427, 2437..2598, 2440..2577, 2593..2844, 2594..2845		

Seq. No.	10257	Seq. ID	OJ990310_07.9819.C15
Gene No.	21745	Strand	-
Start	445	End	6308
Name	OJ990310_07.9819.C15.o1.ts	Method	TBLASTX:Soybean
Start	2512	End	2913
GI	none	Score	134
Exons	2512..2913, 2753..2896		

Seq. No.	10257	Seq. ID	OJ990310_07.9819.C15
Gene No.	21745	Strand	-
Start	445	End	6308
Name	OJ990310_07.9819.C15.o4.tw	Method	TBLASTX:Wheat
Start	2567	End	2991
GI	none	Score	255
Exons	2567..2947, 2572..2991		

Seq. No.	10257	Seq. ID	OJ990310_07.9819.C15
Gene No.	21745	Strand	-
Start	445	End	6308
Name	OJ990310_07.9819.C15.o2.tm	Method	TBLASTX:Maize
Start	3076	End	3433
GI	none	Score	200
Exons	3076..3432, 3086..3433		

Seq. No.	10257	Seq. ID	OJ990310_07.9819.C15
Gene No.	21745	Strand	-
Start	445	End	6308
Name	OJ990310_07.9819.C15.o1.tw	Method	TBLASTX:Wheat
Start	3106	End	3562
GI	none	Score	263
Exons	3106..3561, 3119..3562		

Seq. No.	10257	Seq. ID	OJ990310_07.9819.C15
Gene No.	21745	Strand	-
Start	445	End	6308
Name	OJ990310_07.9819.C15.o3.ts	Method	TBLASTX:Soybean
Start	3157	End	3522
GI	none	Score	123
Exons	3157..3291, 3298..3522		

Seq. No.	10257	Seq. ID	OJ990310_07.9819.C15

Gene No.	21745	Strand	-
Start	445	End	6308
Name	OJ990310_07.9819.C15.o6.tw	Method	TBLASTX:Wheat
Start	3562	End	4239
GI	none	Score	162
Exons	3562..3735, 3782..4018, 3784..4014, 4078..4239		

Seq. No.	10257	Seq. ID	OJ990310_07.9819.C15
Gene No.	21745	Strand	-
Start	445	End	6308
Name	OJ990310_07.9819.C15.o6.tm	Method	TBLASTX:Maize
Start	3753	End	3931
GI	none	Score	110
Exons	3753..3884, 3754..3930, 3785..3931		

Seq. No.	10257	Seq. ID	OJ990310_07.9819.C15
Gene No.	21745	Strand	-
Start	445	End	6308
Name	OJ990310_07.9819.C15.o8.tw	Method	TBLASTX:Wheat
Start	4841	End	5060
GI	none	Score	84
Exons	4841..5059, 4842..5060		

Seq. No.	10257	Seq. ID	OJ990310_07.9819.C15
Gene No.	21745	Strand	-
Start	445	End	6308
Name	OJ990310_07.9819.C15.o2.np	Method	AAT/NAP
Start	6025	End	6308
GI	4680185	Score	181
Exons	6025..6308		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	10258	Seq. ID	OJ990310_07.9819.C17
Gene No.	21746	Strand	+
Start	86	End	880
Name	OJ990310_07.9819.C17.o1.ts	Method	TBLASTX:Soybean
Start	64	End	445
GI	none	Score	463
Exons	64..123, 86..445, 154..444		

Seq. No.	10258	Seq. ID	OJ990310_07.9819.C17
Gene No.	21746	Strand	+
Start	86	End	880
Name	OJ990310_07.9819.C17.o1.np	Method	AAT/NAP
Start	86	End	880
GI	4512237	Score	1343
Exons	86..880		
GI Descrip.	(AB014746) polyprotein [Hordeum vulgare]		

Seq. No.	10258	Seq. ID	OJ990310_07.9819.C17
Gene No.	21746	Strand	+
Start	86	End	880
Name	OJ990310_07.9819.C17.o2.tw	Method	TBLASTX:Wheat
Start	158	End	460
GI	none	Score	382
Exons	158..460, 160..444		

Seq. No.	10258	Seq. ID	OJ990310_07.9819.C17
Gene No.	21746	Strand	+
Start	86	End	880
Name	OJ990310_07.9819.C17.o2.tm	Method	TBLASTX:Maize
Start	179	End	526
GI	none	Score	345
Exons	179..526, 313..525		

Seq. No.	10258	Seq. ID	OJ990310_07.9819.C17
Gene No.	21746	Strand	+
Start	86	End	880
Name	OJ990310_07.9819.C17.o1.tw	Method	TBLASTX:Wheat
Start	461	End	874
GI	none	Score	585
Exons	461..874, 493..873		

Seq. No.	10258	Seq. ID	OJ990310_07.9819.C17
Gene No.	21746	Strand	+
Start	86	End	880
Name	OJ990310_07.9819.C17.o2.ts	Method	TBLASTX:Soybean
Start	467	End	712
GI	none	Score	206
Exons	467..712, 484..711		

Seq. No.	10258	Seq. ID	OJ990310_07.9819.C17
Gene No.	21746	Strand	+
Start	86	End	880
Name	OJ990310_07.9819.C17.o1.tm	Method	TBLASTX:Maize
Start	532	End	874
GI	none	Score	473
Exons	532..873, 533..874		

Seq. No.	10259	Seq. ID	OJ990310_07.9819.C18
Gene No.	21747	Strand	+
Start	1968	End	20547
Name	OJ990310_07.9819.C18.o2.np	Method	AAT/NAP
Start	1968	End	14489
GI	6523547	Score	318
Exons	1968..2009, 6068..6462, 10114..10298, 10412..10486, 13602..13693, 13869..14064, 14216..14489		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	10259	Seq. ID	OJ990310_07.9819.C18
Gene No.	21747	Strand	+
Start	1968	End	20547
Name	OJ990310_07.9819.C18.o2.gs	Method	GENSCAN
Start	13922	End	20547
GI	none	Score	.7
Exons	13922..14210, 14332..14981, 15587..15670, 18895..19057, 19846..20174, 20462..20547		

Seq. No.	10259	Seq. ID	OJ990310_07.9819.C18
Gene No.	21747	Strand	+
Start	1968	End	20547
Name	OJ990310_07.9819.C18.o3.np	Method	AAT/NAP
Start	14129	End	14703

GI	6633814	Score	83
Exons	14129..14703		
GI Descrip.	(AC009519) F1N19.11 [Arabidopsis thaliana]		

Seq. No.	10259	Seq. ID	OJ990310_07.9819.C18
Gene No.	21747	Strand	+
Start	1968	End	20547
Name	OJ990310_07.9819.C18.o4.np	Method	AAT/NAP
Start	17589	End	19243
GI	6539588	Score	229
Exons	17589..17880, 19210..19243		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	10259	Seq. ID	OJ990310_07.9819.C18
Gene No.	21748	Strand	-
Start	159	End	1514
Name	OJ990310_07.9819.C18.o1.np	Method	AAT/NAP
Start	159	End	1065
GI	4680203	Score	1001
Exons	159..1065		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	10259	Seq. ID	OJ990310_07.9819.C18
Gene No.	21748	Strand	-
Start	159	End	1514
Name	OJ990310_07.9819.C18.o1.ts	Method	TBLASTX:Soybean
Start	301	End	591
GI	none	Score	108
Exons	301..366, 373..591, 377..583		

Seq. No.	10259	Seq. ID	OJ990310_07.9819.C18
Gene No.	21748	Strand	-
Start	159	End	1514
Name	OJ990310_07.9819.C18.o1.tw	Method	TBLASTX:Wheat
Start	363	End	714
GI	none	Score	192
Exons	363..614, 373..624, 374..616, 607..714		

Seq. No.	10259	Seq. ID	OJ990310_07.9819.C18
Gene No.	21748	Strand	-
Start	159	End	1514
Name	OJ990310_07.9819.C18.o1.gp	Method	AAT/GAP
Start	926	End	1514
GI	2310235	Score	308
Exons	926..1065, 1477..1514		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	10260	Seq. ID	OJ990310_07.9819.C19
Gene No.	21749	Strand	-
Start	1	End	893
Name	OJ990310_07.9819.C19.o1.np	Method	AAT/NAP
Start	1	End	809
GI	3845248	Score	96
Exons	1..22, 453..809		
GI Descrip.	(AE001410) hypothetical protein [Plasmodium falciparum]		

Seq. No.	10260	Seq. ID	OJ990310_07.9819.C19
Gene No.	21749	Strand	-
Start	1	End	893
Name	OJ990310_07.9819.C19.o1.gs	Method	GENSCAN
Start	479	End	893
GI	none	Score	.99
Exons	479..802, 816..893		

Seq. No.	10261	Seq. ID	OJ990310_07.9819.C20
Gene No.	21750	Strand	+
Start	134	End	933
Name	OJ990310_07.9819.C20.o1.np	Method	AAT/NAP
Start	134	End	933
GI	1196998	Score	1282
Exons	134..933		
GI Descrip.	(J01829) unknown protein [Transposon Tn10] gi|5103202|dbj|BAA78838.1| (AP000342) transposase of Tn10 [Plasmid R100] gi|5706382|dbj|BAA83097.1| (AB026428) transposase [Methylomonas aminofaciens] gi|5738092|gb|AAD50250.1|AF162223_9 (AF162223) IS10-right transposase [Shigella flexneri] gi|6721110|gb|AAF26764.1|AC007396_13 (AC007396) T4O12.21 [Arabidopsis thaliana]		

Seq. No.	10261	Seq. ID	OJ990310_07.9819.C20
Gene No.	21751	Strand	-
Start	259	End	706
Name	OJ990310_07.9819.C20.o1.tc	Method	TBLASTX:Cress
Start	26	End	174
GI	none	Score	181
Exons	26..172, 28..174, 55..174		

Seq. No.	10261	Seq. ID	OJ990310_07.9819.C20
Gene No.	21751	Strand	-
Start	259	End	706
Name	OJ990310_07.9819.C20.o1.gs	Method	GENSCAN
Start	259	End	706
GI	none	Score	.67
Exons	259..274, 341..428, 569..706		

Seq. No.	10262	Seq. ID	OJ990310_07.9819.C22
Gene No.	21752	Strand	+
Start	1	End	761
Name	OJ990310_07.9819.C22.o1.np	Method	AAT/NAP
Start	1	End	761
GI	4680179	Score	468
Exons	1..196, 403..761		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	10262	Seq. ID	OJ990310_07.9819.C22
Gene No.	21752	Strand	+
Start	1	End	761
Name	OJ990310_07.9819.C22.o1.tm	Method	TBLASTX:Maize
Start	23	End	487
GI	none	Score	259
Exons	23..196, 27..197, 27..197, 197..256, 236..487, 259..483		

Seq. No.	10262	Seq. ID	OJ990310_07.9819.C22

Gene No.	21752	Strand	+
Start	1	End	761
Name	OJ990310_07.9819.C22.o1.tw	Method	TBLASTX:Wheat
Start	30	End	487
GI	none	Score	276
Exons	30..197, 31..198, 32..196, 197..256, 227..487, 259..483		

Seq. No.	10262	Seq. ID	OJ990310_07.9819.C22
Gene No.	21752	Strand	+
Start	1	End	761
Name	OJ990310_07.9819.C22.o1.gs	Method	GENSCAN
Start	194	End	553
GI	none	Score	.94
Exons	194..553		

Seq. No.	10263	Seq. ID	OJ990310_07.9819.C23
Gene No.	21753	Strand	+
Start	4012	End	5984
Name	OJ990310_07.9819.C23.o2.np	Method	AAT/NAP
Start	4012	End	5984
GI	4680186	Score	267
Exons	4012..4060, 5779..5984		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	10263	Seq. ID	OJ990310_07.9819.C23
Gene No.	21754	Strand	-
Start	857	End	6179
Name	OJ990310_07.9819.C23.o1.np	Method	AAT/NAP
Start	641	End	6179
GI	4680179	Score	5199
Exons	641..4042, 4076..4819, 6133..6179		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	10263	Seq. ID	OJ990310_07.9819.C23
Gene No.	21754	Strand	-
Start	857	End	6179
Name	OJ990310_07.9819.C23.o1.gs	Method	GENSCAN
Start	857	End	5732
GI	none	Score	.59
Exons	857..4853, 5576..5621, 5660..5732		

Seq. No.	10263	Seq. ID	OJ990310_07.9819.C23
Gene No.	21754	Strand	-
Start	857	End	6179
Name	OJ990310_07.9819.C23.o1.gp	Method	AAT/GAP
Start	5528	End	5912
GI	uC-osflcyp033a04b1	Score	654
Exons	5528..5912		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	10263	Seq. ID	OJ990310_07.9819.C23
Gene No.	21755	Strand	-
Start	6345	End	6828
Name	OJ990310_07.9819.C23.o6.tw	Method	TBLASTX:Wheat
Start	686	End	1019
GI	none	Score	111

Exons	686..1018, 707..1015, 750..1019		
Seq. No.	10263	Seq. ID	OJ990310_07.9819.C23
Gene No.	21755	Strand	-
Start	6345	End	6828
Name	OJ990310_07.9819.C23.o1.tm	Method	TBLASTX:Maize
Start	867	End	1465
GI	none	Score	207
Exons	867..1139, 881..1306, 882..1304, 1304..1465, 1311..1457		
Seq. No.	10263	Seq. ID	OJ990310_07.9819.C23
Gene No.	21755	Strand	-
Start	6345	End	6828
Name	OJ990310_07.9819.C23.o1.tw	Method	TBLASTX:Wheat
Start	1019	End	1645
GI	none	Score	226
Exons	1019..1645, 1131..1589		
Seq. No.	10263	Seq. ID	OJ990310_07.9819.C23
Gene No.	21755	Strand	-
Start	6345	End	6828
Name	OJ990310_07.9819.C23.o4.tm	Method	TBLASTX:Maize
Start	1514	End	1806
GI	none	Score	200
Exons	1514..1804, 1518..1805, 1645..1806		
Seq. No.	10263	Seq. ID	OJ990310_07.9819.C23
Gene No.	21755	Strand	-
Start	6345	End	6828
Name	OJ990310_07.9819.C23.o2.ts	Method	TBLASTX:Soybean
Start	1604	End	1864
GI	none	Score	150
Exons	1604..1864, 1605..1859		
Seq. No.	10263	Seq. ID	OJ990310_07.9819.C23
Gene No.	21755	Strand	-
Start	6345	End	6828
Name	OJ990310_07.9819.C23.o2.tw	Method	TBLASTX:Wheat
Start	1652	End	2219
GI	none	Score	335
Exons	1652..2188, 1653..2219		
Seq. No.	10263	Seq. ID	OJ990310_07.9819.C23
Gene No.	21755	Strand	-
Start	6345	End	6828
Name	OJ990310_07.9819.C23.o2.tm	Method	TBLASTX:Maize
Start	2210	End	2573
GI	none	Score	169
Exons	2210..2572, 2219..2572, 2223..2573		
Seq. No.	10263	Seq. ID	OJ990310_07.9819.C23
Gene No.	21755	Strand	-
Start	6345	End	6828
Name	OJ990310_07.9819.C23.o3.tw	Method	TBLASTX:Wheat
Start	2222	End	2644
GI	none	Score	358
Exons	2222..2644, 2223..2612		

Seq. No.	10263	Seq. ID	OJ990310_07.9819.C23
Gene No.	21755	Strand	-
Start	6345	End	6828
Name	OJ990310_07.9819.C23.o3.ts	Method	TBLASTX:Soybean
Start	2393	End	2638
GI	none	Score	86
Exons	2393..2638, 2394..2621		

Seq. No.	10263	Seq. ID	OJ990310_07.9819.C23
Gene No.	21755	Strand	-
Start	6345	End	6828
Name	OJ990310_07.9819.C23.o3.tm	Method	TBLASTX:Maize
Start	2609	End	3109
GI	none	Score	50
Exons	2609..2923, 2652..2702, 2730..2783, 2930..3109, 2982..3101		

Seq. No.	10263	Seq. ID	OJ990310_07.9819.C23
Gene No.	21755	Strand	-
Start	6345	End	6828
Name	OJ990310_07.9819.C23.o5.tw	Method	TBLASTX:Wheat
Start	2645	End	2947
GI	none	Score	272
Exons	2645..2947, 2661..2945		

Seq. No.	10263	Seq. ID	OJ990310_07.9819.C23
Gene No.	21755	Strand	-
Start	6345	End	6828
Name	OJ990310_07.9819.C23.o1.ts	Method	TBLASTX:Soybean
Start	2660	End	3055
GI	none	Score	193
Exons	2660..3019, 2661..2951, 2982..3017, 3023..3055, 3024..3053		

Seq. No.	10263	Seq. ID	OJ990310_07.9819.C23
Gene No.	21755	Strand	-
Start	6345	End	6828
Name	OJ990310_07.9819.C23.o4.tw	Method	TBLASTX:Wheat
Start	2996	End	3482
GI	none	Score	258
Exons	2996..3373, 3039..3482, 3428..3478		

Seq. No.	10263	Seq. ID	OJ990310_07.9819.C23
Gene No.	21755	Strand	-
Start	6345	End	6828
Name	OJ990310_07.9819.C23.o5.tm	Method	TBLASTX:Maize
Start	3177	End	3467
GI	none	Score	185
Exons	3177..3467, 3179..3466		

Seq. No.	10263	Seq. ID	OJ990310_07.9819.C23
Gene No.	21755	Strand	-
Start	6345	End	6828
Name	OJ990310_07.9819.C23.o8.tw	Method	TBLASTX:Wheat
Start	3578	End	4015
GI	none	Score	68
Exons	3578..3619, 3647..3760, 3648..3761, 3806..4015, 3807..3959		

Seq. No.	10263	Seq. ID	OJ990310_07.9819.C23
Gene No.	21755	Strand	-
Start	6345	End	6828
Name	OJ990310_07.9819.C23.o7.tm	Method	TBLASTX:Maize
Start	3698	End	4021
GI	none	Score	184
Exons	3698..4021		

Seq. No.	10263	Seq. ID	OJ990310_07.9819.C23
Gene No.	21755	Strand	-
Start	6345	End	6828
Name	OJ990310_07.9819.C23.o7.tw	Method	TBLASTX:Wheat
Start	4322	End	4673
GI	none	Score	109
Exons	4322..4672, 4479..4673		

Seq. No.	10263	Seq. ID	OJ990310_07.9819.C23
Gene No.	21755	Strand	-
Start	6345	End	6828
Name	OJ990310_07.9819.C23.o6.tm	Method	TBLASTX:Maize
Start	4367	End	4672
GI	none	Score	87
Exons	4367..4672, 4542..4658		

Seq. No.	10263	Seq. ID	OJ990310_07.9819.C23
Gene No.	21755	Strand	-
Start	6345	End	6828
Name	OJ990310_07.9819.C23.o2.gs	Method	GENSCAN
Start	6345	End	6828
GI	none	Score	.65
Exons	6345..6430, 6756..6828		

Seq. No.	10264	Seq. ID	OJ990310_07.9819.C24
Gene No.	21756	Strand	+
Start	1	End	3722
Name	OJ990310_07.9819.C24.o1.np	Method	AAT/NAP
Start	1	End	1041
GI	5852180	Score	219
Exons	1..258, 959..1041		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	10264	Seq. ID	OJ990310_07.9819.C24
Gene No.	21756	Strand	+
Start	1	End	3722
Name	OJ990310_07.9819.C24.o3.np	Method	AAT/NAP
Start	1	End	3722
GI	4680186	Score	385
Exons	1..43, 2631..2684, 3522..3722		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	10264	Seq. ID	OJ990310_07.9819.C24
Gene No.	21756	Strand	+
Start	1	End	3722
Name	OJ990310_07.9819.C24.o1.gs	Method	GENSCAN
Start	122	End	1332
GI	none	Score	.7
Exons	122..273, 1037..1191, 1283..1332		

Seq. No.	10264	Seq. ID	OJ990310_07.9819.C24
Gene No.	21757	Strand	-
Start	1578	End	3655
Name	OJ990310_07.9819.C24.o2.gs	Method	GENSCAN
Start	1578	End	3477
GI	none	Score	.7
Exons	1578..1967, 1974..2387, 3406..3477		

Seq. No.	10264	Seq. ID	OJ990310_07.9819.C24
Gene No.	21757	Strand	-
Start	1578	End	3655
Name	OJ990310_07.9819.C24.o1.gp	Method	AAT/GAP
Start	3274	End	3655
GI	uC-osflcyp033a04b1	Score	699
Exons	3274..3655		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	10265	Seq. ID	OJ990310_07.9819.C25
Gene No.	21758	Strand	+
Start	569	End	2153
Name	OJ990310_07.9819.C25.o1.gs	Method	GENSCAN
Start	569	End	2153
GI	none	Score	.65
Exons	569..654, 726..793, 798..1121, 2116..2153		

Seq. No.	10265	Seq. ID	OJ990310_07.9819.C25
Gene No.	21759	Strand	+
Start	6023	End	6405
Name	OJ990310_07.9819.C25.o2.gp	Method	AAT/GAP
Start	6023	End	6405
GI	uC-osflcyp033a04b1	Score	676
Exons	6023..6405		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	10265	Seq. ID	OJ990310_07.9819.C25
Gene No.	21760	Strand	+
Start	8595	End	10395
Name	OJ990310_07.9819.C25.o3.gs	Method	GENSCAN
Start	8595	End	10395
GI	none	Score	.53
Exons	8595..8599, 8808..8888, 9158..9305, 9526..9629, 10182..10395		

Seq. No.	10265	Seq. ID	OJ990310_07.9819.C25
Gene No.	21760	Strand	+
Start	8595	End	10395
Name	OJ990310_07.9819.C25.o4.gp	Method	AAT/GAP
Start	8760	End	9163
GI	none	Score	804
Exons	8760..9163		

Seq. No.	10265	Seq. ID	OJ990310_07.9819.C25
Gene No.	21761	Strand	-
Start	1	End	17590
Name	OJ990310_07.9819.C25.o1.np	Method	AAT/NAP

Start	1	End	3385
GI	4680183	Score	1059
Exons	1..253, 2365..3385		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	10265	Seq. ID	OJ990310_07.9819.C25
Gene No.	21761	Strand	-
Start	1	End	17590
Name	OJ990310_07.9819.C25.o3.tw	Method	TBLASTX:Wheat
Start	409	End	7318
GI	none	Score	62
Exons	409..483, 3877..3951, 7157..7318, 7188..7301		

Seq. No.	10265	Seq. ID	OJ990310_07.9819.C25
Gene No.	21761	Strand	-
Start	1	End	17590
Name	OJ990310_07.9819.C25.o2.gs	Method	GENSCAN
Start	2689	End	7393
GI	none	Score	.61
Exons	2689..3337, 3422..3480, 3816..3907, 4774..4939, 7040..7393		

Seq. No.	10265	Seq. ID	OJ990310_07.9819.C25
Gene No.	21761	Strand	-
Start	1	End	17590
Name	OJ990310_07.9819.C25.o2.np	Method	AAT/NAP
Start	4628	End	17590
GI	4680204	Score	948
Exons	4628..4669, 13973..14068, 14393..14611, 14706..14879, 14984..16056, 16152..17590		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	10265	Seq. ID	OJ990310_07.9819.C25
Gene No.	21761	Strand	-
Start	1	End	17590
Name	OJ990310_07.9819.C25.o4.gs	Method	GENSCAN
Start	10812	End	17575
GI	none	Score	.6
Exons	10812..11221, 11477..11660, 12958..13093, 13962..14098, 14183..14281, 14345..14417, 14501..14611, 14706..14879, 14984..15692, 15915..16056, 16152..16916, 17121..17329, 17377..17575		

Seq. No.	10265	Seq. ID	OJ990310_07.9819.C25
Gene No.	21761	Strand	-
Start	1	End	17590
Name	OJ990310_07.9819.C25.o2.tw	Method	TBLASTX:Wheat
Start	15844	End	16220
GI	none	Score	55
Exons	15844..16062, 15965..16060, 16149..16220		

Seq. No.	10265	Seq. ID	OJ990310_07.9819.C25
Gene No.	21761	Strand	-
Start	1	End	17590
Name	OJ990310_07.9819.C25.o1.tw	Method	TBLASTX:Wheat
Start	16500	End	16839
GI	none	Score	87
Exons	16500..16532, 16536..16676, 16537..16617, 16671..16838,		

16690..16839

Seq. No.	10266	Seq. ID	OJ990310_07.9819.C26
Gene No.	21762	Strand	-
Start	765	End	851
Name	OJ990310_07.9819.C26.o1.gs	Method	GENSCAN
Start	765	End	851
GI	none	Score	.68
Exons	765..851		

Seq. No.	10267	Seq. ID	OJ990310_07.9819.C28
Gene No.	21763	Strand	+
Start	1	End	235
Name	OJ990310_07.9819.C28.o1.np	Method	AAT/NAP
Start	1	End	235
GI	4416302	Score	181
Exons	1..235		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	10267	Seq. ID	OJ990310_07.9819.C28
Gene No.	21763	Strand	+
Start	1	End	235
Name	OJ990310_07.9819.C28.o1.tm	Method	TBLASTX:Maize
Start	32	End	205
GI	none	Score	196
Exons	32..205, 34..114		

Seq. No.	10268	Seq. ID	OJ990310_07.9819.C29
Gene No.	21764	Strand	-
Start	1	End	793
Name	OJ990310_07.9819.C29.o1.np	Method	AAT/NAP
Start	1	End	793
GI	4680179	Score	621
Exons	1..587, 728..793		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	10268	Seq. ID	OJ990310_07.9819.C29
Gene No.	21764	Strand	-
Start	1	End	793
Name	OJ990310_07.9819.C29.o1.tm	Method	TBLASTX:Maize
Start	26	End	328
GI	none	Score	87
Exons	26..328, 198..314		

Seq. No.	10268	Seq. ID	OJ990310_07.9819.C29
Gene No.	21764	Strand	-
Start	1	End	793
Name	OJ990310_07.9819.C29.o1.gs	Method	GENSCAN
Start	53	End	590
GI	none	Score	.97
Exons	53..590		

Seq. No.	10268	Seq. ID	OJ990310_07.9819.C29
Gene No.	21764	Strand	-
Start	1	End	793
Name	OJ990310_07.9819.C29.o1.tw	Method	TBLASTX:Wheat
Start	209	End	569

GI	none	Score	143
Exons	209..565, 210..569		

Seq. No.	10269	Seq. ID	OJ990310_07.9819.C30
Gene No.	21765	Strand	-
Start	1	End	1430
Name	OJ990310_07.9819.C30.o1.np	Method	AAT/NAP
Start	1	End	1251
GI	4680179	Score	815
Exons	1..131, 163..1251		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	10269	Seq. ID	OJ990310_07.9819.C30
Gene No.	21765	Strand	-
Start	1	End	1430
Name	OJ990310_07.9819.C30.o1.gs	Method	GENSCAN
Start	131	End	1430
GI	none	Score	.84
Exons	131..327, 383..1248, 1419..1430		

Seq. No.	10269	Seq. ID	OJ990310_07.9819.C30
Gene No.	21765	Strand	-
Start	1	End	1430
Name	OJ990310_07.9819.C30.o1.tw	Method	TBLASTX:Wheat
Start	424	End	775
GI	none	Score	109
Exons	424..774, 581..775		

Seq. No.	10269	Seq. ID	OJ990310_07.9819.C30
Gene No.	21765	Strand	-
Start	1	End	1430
Name	OJ990310_07.9819.C30.o1.tm	Method	TBLASTX:Maize
Start	469	End	774
GI	none	Score	87
Exons	469..774, 644..760		

Seq. No.	10269	Seq. ID	OJ990310_07.9819.C30
Gene No.	21765	Strand	-
Start	1	End	1430
Name	OJ990310_07.9819.C30.o2.tw	Method	TBLASTX:Wheat
Start	808	End	1068
GI	none	Score	60
Exons	808..900, 808..1008, 809..1006, 1021..1068		

Seq. No.	10270	Seq. ID	OJ990310_07.9819.C31
Gene No.	21766	Strand	+
Start	1	End	3186
Name	OJ990310_07.9819.C31.o2.np	Method	AAT/NAP
Start	1	End	3186
GI	5852180	Score	411
Exons	1..53, 1665..1727, 2703..2799, 2850..3186		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	10270	Seq. ID	OJ990310_07.9819.C31
Gene No.	21767	Strand	-
Start	17	End	2936
Name	OJ990310_07.9819.C31.o1.gs	Method	GENSCAN

Start	17	End	2936
GI	none	Score	.46
Exons	17..264, 271..684, 2721..2936		

Seq. No.	10270	Seq. ID	OJ990310_07.9819.C31
Gene No.	21767	Strand	-
Start	17	End	2936
Name	OJ990310_07.9819.C31.o2.gp	Method	AAT/GAP
Start	1572	End	1956
GI	uC-osf1cyp033a04b1	Score	674
Exons	1572..1956		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	10271	Seq. ID	OJ990310_07.9819.C32
Gene No.	21768	Strand	-
Start	1	End	620
Name	OJ990310_07.9819.C32.o1.np	Method	AAT/NAP
Start	1	End	620
GI	4512231	Score	81
Exons	1..38, 253..620		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	10272	Seq. ID	OJ990310_07.9819.C34
Gene No.	21769	Strand	-
Start	455	End	973
Name	OJ990310_07.9819.C34.o1.gs	Method	GENSCAN
Start	455	End	973
GI	none	Score	.46
Exons	455..535, 958..973		

Seq. No.	10273	Seq. ID	OJ990310_01.9819.C3
Gene No.	21770	Strand	-
Start	1	End	5838
Name	OJ990310_01.9819.C3.o1.np	Method	AAT/NAP
Start	1	End	4588
GI	5524739	Score	75
Exons	1..69, 1665..1828, 4558..4588		
GI Descrip.	(AF111169) KIAA0759 [Homo sapiens]		

Seq. No.	10273	Seq. ID	OJ990310_01.9819.C3
Gene No.	21770	Strand	-
Start	1	End	5838
Name	OJ990310_01.9819.C3.o2.gp	Method	AAT/GAP
Start	4001	End	5530
GI	355_1.R1084	Score	1754
Exons	4001..4502, 4585..4692, 4815..4901, 4997..5077, 5174..5308, 5494..5530		
GI Descrip.	'4049348/emb|CAA22573.1| 5.0e-30 (AL034567) putative protein [Arabidopsis thaliana]'		

Seq. No.	10273	Seq. ID	OJ990310_01.9819.C3
Gene No.	21770	Strand	-
Start	1	End	5838
Name	OJ990310_01.9819.C3.o1.tm	Method	TBLASTX:Maize
Start	4247	End	5835
GI	none	Score	150

Exons	4247..4480, 4249..4362, 4251..4511, 4252..4500, 4551..4685, 4585..4692, 4586..4693, 4586..4705, 4810..4902, 4812..4910, 4813..4911, 4997..5077, 4998..5078, 4999..5079, 5171..5311, 5171..5308, 5175..5315, 5176..5310, 5483..5530, 5491..5529, 5689..5718, 5806..5835		
Seq. No.	10273	Seq. ID	OJ990310_01.9819.C3
Gene No.	21770	Strand	-
Start	1	End	5838
Name	OJ990310_01.9819.C3.o2.gs	Method	GENSCAN
Start	4251	End	5308
GI	none	Score	.9
Exons	4251..4502, 4997..5077, 5174..5308		
Seq. No.	10273	Seq. ID	OJ990310_01.9819.C3
Gene No.	21770	Strand	-
Start	1	End	5838
Name	OJ990310_01.9819.C3.o2.np	Method	AAT/NAP
Start	4254	End	5838
GI	3182921	Score	1150
Exons	4254..4502, 4585..4692, 4815..4901, 4997..5077, 5174..5308, 5494..5715, 5806..5838		
GI Descrip.	ASPARAGINE SYNTHETASE [GLUTAMINE-HYDROLYZING] (GLUTAMINE-DEPENDENT ASPARAGINE SYNTHETASE) gi|1432054 (U55873) asparagine synthetase [Oryza sativa] gi|1902992|dbj|BAA18951| (D83378) asparagine synthetase [Oryza sativa]		
Seq. No.	10273	Seq. ID	OJ990310_01.9819.C3
Gene No.	21770	Strand	-
Start	1	End	5838
Name	OJ990310_01.9819.C3.o1.tc	Method	TBLASTX:Cress
Start	4332	End	5529
GI	none	Score	182
Exons	4332..4511, 4360..4500, 4582..4692, 4585..4686, 4586..4705, 4589..4693, 4812..4910, 4813..4911, 4814..4924, 4814..4921, 4997..5077, 5001..5078, 5171..5308, 5178..5315, 5178..5315, 5179..5316, 5491..5529		
Seq. No.	10273	Seq. ID	OJ990310_01.9819.C3
Gene No.	21770	Strand	-
Start	1	End	5838
Name	OJ990310_01.9819.C3.o1.ts	Method	TBLASTX:Soybean
Start	4365	End	5529
GI	none	Score	175
Exons	4365..4511, 4381..4503, 4585..4698, 4585..4692, 4589..4699, 4810..4911, 4812..4904, 4814..4909, 4992..5081, 4994..5077, 5017..5082, 5156..5308, 5163..5315, 5166..5315, 5491..5529		
Seq. No.	10274	Seq. ID	OJ990310_01.9819.C5
Gene No.	21771	Strand	-
Start	1	End	3326
Name	OJ990310_01.9819.C5.o1.np	Method	AAT/NAP
Start	1	End	3317
GI	6539553	Score	5251
Exons	1..116, 151..3317		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837)		

Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]

Seq. No.	10274	Seq. ID	OJ990310_01.9819.C5
Gene No.	21771	Strand	-
Start	1	End	3326
Name	OJ990310_01.9819.C5.o3.ts	Method	TBLASTX:Soybean
Start	171	End	378
GI	none	Score	113
Exons	171..377, 178..378		

Seq. No.	10274	Seq. ID	OJ990310_01.9819.C5
Gene No.	21771	Strand	-
Start	1	End	3326
Name	OJ990310_01.9819.C5.o2.tw	Method	TBLASTX:Wheat
Start	231	End	776
GI	none	Score	50
Exons	231..416, 241..372, 432..776, 456..629		

Seq. No.	10274	Seq. ID	OJ990310_01.9819.C5
Gene No.	21771	Strand	-
Start	1	End	3326
Name	OJ990310_01.9819.C5.o3.tm	Method	TBLASTX:Maize
Start	312	End	776
GI	none	Score	91
Exons	312..776, 459..641		

Seq. No.	10274	Seq. ID	OJ990310_01.9819.C5
Gene No.	21771	Strand	-
Start	1	End	3326
Name	OJ990310_01.9819.C5.o1.ts	Method	TBLASTX:Soybean
Start	447	End	911
GI	5509260	Score	347
Exons	447..911		
GI Descrip.	-		

Seq. No.	10274	Seq. ID	OJ990310_01.9819.C5
Gene No.	21771	Strand	-
Start	1	End	3326
Name	OJ990310_01.9819.C5.o1.tc	Method	TBLASTX:Cress
Start	567	End	818
GI	none	Score	272
Exons	567..818		

Seq. No.	10274	Seq. ID	OJ990310_01.9819.C5
Gene No.	21771	Strand	-
Start	1	End	3326
Name	OJ990310_01.9819.C5.o1.tw	Method	TBLASTX:Wheat
Start	831	End	1586
GI	none	Score	204
Exons	831..1079, 831..1070, 848..1078, 1099..1578, 1106..1576, 1137..1586		

Seq. No.	10274	Seq. ID	OJ990310_01.9819.C5
Gene No.	21771	Strand	-
Start	1	End	3326
Name	OJ990310_01.9819.C5.o2.ts	Method	TBLASTX:Soybean

Start	1236	End	1634
GI	none	Score	38
Exons	1236..1409, 1363..1401, 1410..1634, 1425..1619, 1456..1626		

Seq. No.	10274	Seq. ID	OJ990310_01.9819.C5
Gene No.	21771	Strand	-
Start	1	End	3326
Name	OJ990310_01.9819.C5.o4.tm	Method	TBLASTX:Maize
Start	1422	End	1856
GI	none	Score	73
Exons	1422..1856, 1495..1641		

Seq. No.	10274	Seq. ID	OJ990310_01.9819.C5
Gene No.	21771	Strand	-
Start	1	End	3326
Name	OJ990310_01.9819.C5.o4.tw	Method	TBLASTX:Wheat
Start	1587	End	1925
GI	none	Score	69
Exons	1587..1925, 1608..1793		

Seq. No.	10274	Seq. ID	OJ990310_01.9819.C5
Gene No.	21771	Strand	-
Start	1	End	3326
Name	OJ990310_01.9819.C5.o4.ts	Method	TBLASTX:Soybean
Start	1644	End	2030
GI	none	Score	80
Exons	1644..1892, 1881..2030		

Seq. No.	10274	Seq. ID	OJ990310_01.9819.C5
Gene No.	21771	Strand	-
Start	1	End	3326
Name	OJ990310_01.9819.C5.o1.tm	Method	TBLASTX:Maize
Start	2057	End	2379
GI	none	Score	378
Exons	2057..2218, 2058..2363, 2059..2352, 2059..2379		

Seq. No.	10274	Seq. ID	OJ990310_01.9819.C5
Gene No.	21771	Strand	-
Start	1	End	3326
Name	OJ990310_01.9819.C5.o2.tm	Method	TBLASTX:Maize
Start	2875	End	3188
GI	none	Score	258
Exons	2875..3165, 2880..3170, 2880..3188		

Seq. No.	10274	Seq. ID	OJ990310_01.9819.C5
Gene No.	21771	Strand	-
Start	1	End	3326
Name	OJ990310_01.9819.C5.o3.tw	Method	TBLASTX:Wheat
Start	2937	End	3326
GI	none	Score	224
Exons	2937..3323, 2938..3309, 2940..3326		

Seq. No.	10275	Seq. ID	OJ990310_01.9819.C6
Gene No.	21772	Strand	+
Start	409	End	684
Name	OJ990310_01.9819.C6.o1.np	Method	AAT/NAP
Start	409	End	684

GI	2462056	Score	77
Exons	409..684		
GI Descrip.	(Y13388) reverse transcriptase [Antirrhinum majus]		

Seq. No.	10276	Seq. ID	OJ990310_01.9819.C10
Gene No.	21773	Strand	+
Start	69	End	8547
Name	OJ990310_01.9819.C10.o1.gs	Method	GENSCAN
Start	69	End	8277
GI	none	Score	.85
Exons	69..229, 255..383, 2021..2351, 2533..2686, 3174..3335, 4082..4135, 4611..4684, 4760..4840, 5956..6133, 6390..6560, 7167..7256, 7501..7616, 7709..7787, 8155..8277		

Seq. No.	10276	Seq. ID	OJ990310_01.9819.C10
Gene No.	21773	Strand	+
Start	69	End	8547
Name	OJ990310_01.9819.C10.o1.gp	Method	AAT/GAP
Start	2517	End	6088
GI	8403_1.R1084	Score	1219
Exons	2517..2686, 3174..3335, 4082..4135, 4611..4684, 4760..4840, 5956..6088		
GI Descrip.	'5640111/emb|CAB51544.1| 6.0e-34 (AJ243875) RAD23 protein [Lycopersicon esculentum]'		

Seq. No.	10276	Seq. ID	OJ990310_01.9819.C10
Gene No.	21773	Strand	+
Start	69	End	8547
Name	OJ990310_01.9819.C10.o2.np	Method	AAT/NAP
Start	2621	End	8268
GI	5640111	Score	908
Exons	2621..2686, 3174..3335, 4082..4135, 4611..4684, 4784..4840, 5965..6133, 6390..6572, 7203..7256, 7338..7385, 7501..7606, 7708..7787, 8155..8268		
GI Descrip.	(AJ243875) RAD23 protein [Lycopersicon esculentum]		

Seq. No.	10276	Seq. ID	OJ990310_01.9819.C10
Gene No.	21773	Strand	+
Start	69	End	8547
Name	OJ990310_01.9819.C10.o2.gp	Method	AAT/GAP
Start	6837	End	8547
GI	1173_1.R1084	Score	1146
Exons	6837..6857, 7209..7256, 7338..7385, 7501..7616, 7709..7787, 8155..8547		
GI Descrip.	'5640111/emb|CAB51544.1| 2.0e-47 (AJ243875) RAD23 protein [Lycopersicon esculentum]'		

Seq. No.	10276	Seq. ID	OJ990310_01.9819.C10
Gene No.	21774	Strand	-
Start	1	End	740
Name	OJ990310_01.9819.C10.o1.np	Method	AAT/NAP
Start	1	End	740
GI	5042454	Score	277
Exons	1..90, 146..248, 586..740		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	10276	Seq. ID	OJ990310_01.9819.C10

Gene No.	21775	Strand	
Start	2603	End	8505
Name	OJ990310_01.9819.C10.o1.tm	Method	TBLASTX:Maize
Start	2603	End	8505
GI	none	Score	103
Exons	2603..2689, 2620..2688, 3150..3335, 3155..3334, 3173..3337, 3174..3335, 5933..6133, 5958..6134, 5986..6138, 6385..6408, 6417..6542, 7167..7193, 7229..7255, 7230..7256, 7334..7384, 7335..7385, 7494..7613, 7498..7614, 7498..7614, 7681..7788, 7710..7790, 7710..7787, 8152..8274, 8153..8263, 8155..8277, 8380..8505		

Seq. No.	10276	Seq. ID	OJ990310_01.9819.C10
Gene No.	21775	Strand	
Start	2603	End	8505
Name	OJ990310_01.9819.C10.o2.ts	Method	TBLASTX:Soybean
Start	2615	End	3335
GI	none	Score	83
Exons	2615..2677, 2620..2682, 3174..3335, 3179..3331		

Seq. No.	10276	Seq. ID	OJ990310_01.9819.C10
Gene No.	21775	Strand	
Start	2603	End	8505
Name	OJ990310_01.9819.C10.o2.tc	Method	TBLASTX:Cress
Start	2620	End	3335
GI	none	Score	91
Exons	2620..2688, 2621..2689, 3172..3318, 3172..3321, 3173..3325, 3174..3335		

Seq. No.	10276	Seq. ID	OJ990310_01.9819.C10
Gene No.	21775	Strand	
Start	2603	End	8505
Name	OJ990310_01.9819.C10.o2.tw	Method	TBLASTX:Wheat
Start	2620	End	4131
GI	none	Score	92
Exons	2620..2688, 2621..2689, 3150..3335, 3172..3333, 3173..3334, 3174..3335, 4090..4128, 4090..4131		

Seq. No.	10276	Seq. ID	OJ990310_01.9819.C10
Gene No.	21775	Strand	
Start	2603	End	8505
Name	OJ990310_01.9819.C10.o1.ts	Method	TBLASTX:Soybean
Start	5960	End	8272
GI	none	Score	252
Exons	5960..6133, 5986..6129, 7322..7357, 7336..7401, 7497..7607, 7498..7605, 7709..7786, 7710..7790, 8152..8268, 8155..8271, 8159..8272		

Seq. No.	10276	Seq. ID	OJ990310_01.9819.C10
Gene No.	21775	Strand	
Start	2603	End	8505
Name	OJ990310_01.9819.C10.o1.tc	Method	TBLASTX:Cress
Start	6023	End	8274
GI	none	Score	164
Exons	6023..6133, 6028..6138, 7375..7410, 7497..7598, 7498..7590, 7710..7790, 7724..7789, 8152..8271, 8164..8274		

Seq. No.	10276	Seq. ID	OJ990310_01.9819.C10
Gene No.	21775	Strand	
Start	2603	End	8505
Name	OJ990310_01.9819.C10.o1.tw	Method	TBLASTX:Wheat
Start	7229	End	8462
GI	none	Score	44
Exons	7229..7255, 7230..7256, 7334..7384, 7335..7385, 7336..7401, 7497..7634, 7498..7614, 7710..7790, 7710..7787, 8152..8283, 8153..8281, 8336..8380, 8412..8462		

Seq. No.	10276	Seq. ID	OJ990310_01.9819.C10
Gene No.	21776	Strand	
Start	15258	End	15641
Name	OJ990310_01.9819.C10.o2.tm	Method	TBLASTX:Maize
Start	15258	End	15641
GI	none	Score	47
Exons	15258..15641, 15397..15456, 15511..15570		

Seq. No.	10277	Seq. ID	OJ990310_01.9819.C11
Gene No.	21777	Strand	+
Start	1	End	181
Name	OJ990310_01.9819.C11.o1.np	Method	AAT/NAP
Start	1	End	181
GI	4539658	Score	64
Exons	1..181		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	10277	Seq. ID	OJ990310_01.9819.C11
Gene No.	21778	Strand	+
Start	257	End	1446
Name	OJ990310_01.9819.C11.o1.gs	Method	GENSCAN
Start	257	End	1446
GI	none	Score	.51
Exons	257..349, 1245..1446		

Seq. No.	10278	Seq. ID	OJ990310_01.9819.C12
Gene No.	21779	Strand	+
Start	990	End	2989
Name	OJ990310_01.9819.C12.o1.np	Method	AAT/NAP
Start	990	End	2989
GI	5734721	Score	823
Exons	990..1092, 1189..1406, 1497..2056, 2941..2989		
GI Descrip.	(AC008075) Similar to gb|AF023472 peptide transporter from Hordeum vulgare and is a member of the PF|00854 Peptide transporter family. ESTs gb|T41927 and gb|AA395024 come from this gene. [Arabidopsis thaliana]		

Seq. No.	10278	Seq. ID	OJ990310_01.9819.C12
Gene No.	21779	Strand	+
Start	990	End	2989
Name	OJ990310_01.9819.C12.o1.gs	Method	GENSCAN
Start	996	End	2371
GI	none	Score	.94
Exons	996..1092, 1189..2184, 2295..2371		

Seq. No.	10278	Seq. ID	OJ990310_01.9819.C12

Gene No.	21779	Strand	+
Start	990	End	2989
Name	OJ990310_01.9819.C12.o1.tc	Method	TBLASTX:Cress
Start	1061	End	1739
GI	none	Score	42
Exons	1061..1090, 1062..1091, 1188..1406, 1220..1402, 1656..1739		

Seq. No.	10278	Seq. ID	OJ990310_01.9819.C12
Gene No.	21779	Strand	+
Start	990	End	2989
Name	OJ990310_01.9819.C12.o2.tm	Method	TBLASTX:Maize
Start	1061	End	1349
GI	none	Score	50
Exons	1061..1090, 1062..1091, 1188..1349, 1191..1271, 1220..1348		

Seq. No.	10278	Seq. ID	OJ990310_01.9819.C12
Gene No.	21779	Strand	+
Start	990	End	2989
Name	OJ990310_01.9819.C12.o1.ts	Method	TBLASTX:Soybean
Start	1188	End	2072
GI	none	Score	239
Exons	1188..1421, 1247..1420, 1655..1693, 1656..1931, 1733..1960, 1983..2072		

Seq. No.	10278	Seq. ID	OJ990310_01.9819.C12
Gene No.	21779	Strand	+
Start	990	End	2989
Name	OJ990310_01.9819.C12.o1.gp	Method	AAT/GAP
Start	1375	End	1842
GI	uC-osflM202047h06b1	Score	688
Exons	1375..1406, 1497..1842		
GI Descrip.	'5734721/gb|AAD49986.1|AC008075_19 5.0e-35 (AC008075) Similar to gb_AF023472 peptide transporter from Hordeum vulgare and is a member of the PF_00854 Peptide transporter family. ESTs gb_T41927 and gb_AA395024 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	10278	Seq. ID	OJ990310_01.9819.C12
Gene No.	21779	Strand	+
Start	990	End	2989
Name	OJ990310_01.9819.C12.o2.tc	Method	TBLASTX:Cress
Start	1740	End	2072
GI	none	Score	180
Exons	1740..1931, 1745..1960, 1983..2072		

Seq. No.	10278	Seq. ID	OJ990310_01.9819.C12
Gene No.	21779	Strand	+
Start	990	End	2989
Name	OJ990310_01.9819.C12.o1.tm	Method	TBLASTX:Maize
Start	1742	End	2072
GI	none	Score	310
Exons	1742..1939, 1743..1931, 1770..1940, 1940..2068, 1992..2072		

Seq. No.	10279	Seq. ID	OJ990310_01.9819.C13
Gene No.	21780	Strand	-
Start	301	End	1021
Name	OJ990310_01.9819.C13.o1.gp	Method	AAT/GAP

Start	301	End	1021
GI	LIB3433-061-P1-K1-E7	Score	504
Exons	301..389, 471..547, 651..683, 926..1021		
GI Descrip.	'3882239/dbj|BAA34479.1| 9.0e-11 (AB018302) KIAA0759 protein [Homo sapiens]'		

Seq. No.	10280	Seq. ID	OJ990310_01.9819.C14
Gene No.	21781	Strand	-
Start	785	End	1560
Name	OJ990310_01.9819.C14.o1.gs	Method	GENSCAN
Start	785	End	1560
GI	none	Score	.53
Exons	785..955, 1449..1560		

Seq. No.	10280	Seq. ID	OJ990310_01.9819.C14
Gene No.	21782	Strand	-
Start	1472	End	1720
Name	OJ990310_01.9819.C14.o1.tm	Method	TBLASTX:Maize
Start	835	End	1536
GI	none	Score	96
Exons	835..900, 901..957, 901..954, 903..965, 1068..1175, 1074..1178, 1075..1179, 1075..1182, 1277..1372, 1280..1369, 1284..1376, 1447..1533, 1449..1535, 1449..1535, 1450..1536		

Seq. No.	10280	Seq. ID	OJ990310_01.9819.C14
Gene No.	21782	Strand	-
Start	1472	End	1720
Name	OJ990310_01.9819.C14.o1.gp	Method	AAT/GAP
Start	1472	End	1720
GI	LIB3433-061-P1-K1-E7	Score	290
Exons	1472..1560, 1642..1720		
GI Descrip.	'3882239/dbj|BAA34479.1| 9.0e-11 (AB018302) KIAA0759 protein [Homo sapiens]'		

Seq. No.	10281	Seq. ID	OJ990310_01.9819.C16
Gene No.	21783	Strand	+
Start	518	End	666
Name	OJ990310_01.9819.C16.o1.gs	Method	GENSCAN
Start	518	End	666
GI	none	Score	.76
Exons	518..666		

Seq. No.	10282	Seq. ID	OJ990310_01.9819.C17
Gene No.	21784	Strand	+
Start	644	End	3132
Name	OJ990310_01.9819.C17.o1.gs	Method	GENSCAN
Start	644	End	3132
GI	none	Score	.56
Exons	644..731, 2281..2429, 2583..2641, 2832..3132		

Seq. No.	10282	Seq. ID	OJ990310_01.9819.C17
Gene No.	21785	Strand	-
Start	3391	End	5599
Name	OJ990310_01.9819.C17.o2.tm	Method	TBLASTX:Maize
Start	2418	End	2846
GI	none	Score	291
Exons	2418..2774, 2444..2728, 2799..2846		

Seq. No.	10282	Seq. ID	OJ990310_01.9819.C17
Gene No.	21785	Strand	-
Start	3391	End	5599
Name	OJ990310_01.9819.C17.o2.gs	Method	GENSCAN
Start	3391	End	5355
GI	none	Score	.78
Exons	3391..3537, 3625..3712, 3750..3883, 3982..4253, 4351..4462, 4523..4600, 4821..4880, 4984..5070, 5158..5355		

Seq. No.	10282	Seq. ID	OJ990310_01.9819.C17
Gene No.	21785	Strand	-
Start	3391	End	5599
Name	OJ990310_01.9819.C17.o2.np	Method	AAT/NAP
Start	3394	End	5599
GI	422029	Score	888
Exons	3394..3537, 3625..3883, 3982..4253, 4351..4408, 4523..4600, 4821..4900, 5124..5273, 5514..5599		
GI Descrip.	transcription factor OBF3.2, ocs element-binding - maize gi|297018|emb|CAA48904| (X69152) ocs-element binding factor 3.2 [Zea mays]		

Seq. No.	10282	Seq. ID	OJ990310_01.9819.C17
Gene No.	21785	Strand	-
Start	3391	End	5599
Name	OJ990310_01.9819.C17.o1.tc	Method	TBLASTX:Cress
Start	3395	End	4874
GI	none	Score	92
Exons	3395..3475, 3442..3537, 3625..3717, 3740..3889, 3976..4254, 3977..4093, 4190..4255, 4523..4600, 4524..4604, 4812..4874		

Seq. No.	10282	Seq. ID	OJ990310_01.9819.C17
Gene No.	21785	Strand	-
Start	3391	End	5599
Name	OJ990310_01.9819.C17.o1.ts	Method	TBLASTX:Soybean
Start	3395	End	4255
GI	none	Score	89
Exons	3395..3475, 3442..3537, 3445..3540, 3625..3720, 3629..3712, 3740..3889, 3829..3843, 3833..3892, 3976..4254, 3977..4087, 4190..4255		

Seq. No.	10282	Seq. ID	OJ990310_01.9819.C17
Gene No.	21785	Strand	-
Start	3391	End	5599
Name	OJ990310_01.9819.C17.o1.tm	Method	TBLASTX:Maize
Start	3395	End	4874
GI	none	Score	89
Exons	3395..3475, 3445..3537, 3466..3540, 3486..3539, 3599..3712, 3623..3691, 3625..3723, 3737..3889, 3973..4254, 3977..4087, 4190..4255, 4518..4604, 4523..4600, 4812..4874		

Seq. No.	10282	Seq. ID	OJ990310_01.9819.C17
Gene No.	21785	Strand	-
Start	3391	End	5599
Name	OJ990310_01.9819.C17.o2.tw	Method	TBLASTX:Wheat
Start	3737	End	3889
GI	none	Score	185

Exons 3737..3889

Seq. No. 10282 Seq. ID OJ990310_01.9819.C17
Gene No. 21785 Strand -
Start 3391 End 5599
Name OJ990310_01.9819.C17.o1.tw Method TBLASTX:Wheat
Start 4003 End 4868
GI none Score 83
Exons 4003..4254, 4004..4087, 4190..4255, 4518..4601, 4523..4600, 4812..4868

Seq. No. 10283 Seq. ID OJ990310_01.9819.C18
Gene No. 21786 Strand +
Start 22 End 662
Name OJ990310_01.9819.C18.o1.gs Method GENSCAN
Start 22 End 662
GI none Score .78
Exons 22..146, 260..662

Seq. No. 10283 Seq. ID OJ990310_01.9819.C18
Gene No. 21787 Strand -
Start 2531 End 2854
Name OJ990310_01.9819.C18.o1.np Method AAT/NAP
Start 2444 End 2854
GI 6539570 Score 200
Exons 2444..2510, 2661..2854
GI Descrip. (AP000836) hypothetical protein [Oryza sativa]

Seq. No. 10283 Seq. ID OJ990310_01.9819.C18
Gene No. 21787 Strand -
Start 2531 End 2854
Name OJ990310_01.9819.C18.o2.gs Method GENSCAN
Start 2531 End 2798
GI none Score .49
Exons 2531..2609, 2653..2798

Seq. No. 10284 Seq. ID OJ990310_01.9819.C19
Gene No. 21788 Strand +
Start 1 End 107
Name OJ990310_01.9819.C19.o1.np Method AAT/NAP
Start 1 End 107
GI 6630699 Score 90
Exons 1..107
GI Descrip. (AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]

Seq. No. 10284 Seq. ID OJ990310_01.9819.C19
Gene No. 21789 Strand +
Start 243 End 2224
Name OJ990310_01.9819.C19.o2.np Method AAT/NAP
Start 243 End 2224
GI 6539570 Score 154
Exons 243..437, 621..712, 2131..2224
GI Descrip. (AP000836) hypothetical protein [Oryza sativa]

Seq. No. 10284 Seq. ID OJ990310_01.9819.C19

Gene No.	21789	Strand	+
Start	243	End	2224
Name	OJ990310_01.9819.C19.o1.gs	Method	GENSCAN
Start	1036	End	1476
GI	none	Score	.93
Exons	1036..1476		

Seq. No.	10284	Seq. ID	OJ990310_01.9819.C19
Gene No.	21790	Strand	+
Start	3099	End	11637
Name	OJ990310_01.9819.C19.o2.gs	Method	GENSCAN
Start	3099	End	11637
GI	none	Score	.56
Exons	3099..3249, 3566..3693, 3749..5756, 7407..7846, 7910..8953, 9121..10695, 10936..11637		

Seq. No.	10284	Seq. ID	OJ990310_01.9819.C19
Gene No.	21790	Strand	+
Start	3099	End	11637
Name	OJ990310_01.9819.C19.o3.np	Method	AAT/NAP
Start	4272	End	11634
GI	6498441	Score	6761
Exons	4272..5336, 7383..7846, 7910..8283, 8467..8603, 8778..9055, 9247..9690, 9862..11259, 11353..11634		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	10284	Seq. ID	OJ990310_01.9819.C19
Gene No.	21791	Strand	+
Start	12996	End	15273
Name	OJ990310_01.9819.C19.o5.np	Method	AAT/NAP
Start	12996	End	15135
GI	6721517	Score	429
Exons	12996..13199, 14210..14830, 15012..15135		
GI Descrip.	(AP001072) Similar to polyprotein. (AF061282) [Oryza sativa]		

Seq. No.	10284	Seq. ID	OJ990310_01.9819.C19
Gene No.	21791	Strand	+
Start	12996	End	15273
Name	OJ990310_01.9819.C19.o4.gs	Method	GENSCAN
Start	13924	End	15273
GI	none	Score	.82
Exons	13924..15273		

Seq. No.	10284	Seq. ID	OJ990310_01.9819.C19
Gene No.	21792	Strand	-
Start	12283	End	13777
Name	OJ990310_01.9819.C19.o3.gs	Method	GENSCAN
Start	12283	End	13777
GI	none	Score	.89
Exons	12283..13359, 13775..13777		

Seq. No.	10284	Seq. ID	OJ990310_01.9819.C19
Gene No.	21792	Strand	-
Start	12283	End	13777
Name	OJ990310_01.9819.C19.o4.np	Method	AAT/NAP

Start	12286	End	13389
GI	5803259	Score	1399
Exons	12286..13389		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	10284	Seq. ID	OJ990310_01.9819.C19
Gene No.	21793	Strand	-
Start	16733	End	17848
Name	OJ990310_01.9819.C19.o6.tw	Method	TBLASTX:Wheat
Start	4421	End	4813
GI	none	Score	56
Exons	4421..4468, 4475..4573, 4480..4572, 4540..4734, 4556..4813		

Seq. No.	10284	Seq. ID	OJ990310_01.9819.C19
Gene No.	21793	Strand	-
Start	16733	End	17848
Name	OJ990310_01.9819.C19.o5.tm	Method	TBLASTX:Maize
Start	4463	End	4711
GI	none	Score	197
Exons	4463..4711, 4463..4699, 4465..4710		

Seq. No.	10284	Seq. ID	OJ990310_01.9819.C19
Gene No.	21793	Strand	-
Start	16733	End	17848
Name	OJ990310_01.9819.C19.o5.tw	Method	TBLASTX:Wheat
Start	5552	End	7726
GI	none	Score	59
Exons	5552..5641, 7358..7726, 7462..7722		

Seq. No.	10284	Seq. ID	OJ990310_01.9819.C19
Gene No.	21793	Strand	-
Start	16733	End	17848
Name	OJ990310_01.9819.C19.o1.tw	Method	TBLASTX:Wheat
Start	7917	End	8380
GI	none	Score	96
Exons	7917..8105, 7918..8373, 7919..8380		

Seq. No.	10284	Seq. ID	OJ990310_01.9819.C19
Gene No.	21793	Strand	-
Start	16733	End	17848
Name	OJ990310_01.9819.C19.o3.ts	Method	TBLASTX:Soybean
Start	7958	End	8323
GI	none	Score	117
Exons	7958..8182, 8189..8323		

Seq. No.	10284	Seq. ID	OJ990310_01.9819.C19
Gene No.	21793	Strand	-
Start	16733	End	17848
Name	OJ990310_01.9819.C19.o1.tm	Method	TBLASTX:Maize
Start	8048	End	8404
GI	none	Score	392
Exons	8048..8404, 8083..8394, 8099..8404		

Seq. No.	10284	Seq. ID	OJ990310_01.9819.C19
Gene No.	21793	Strand	-
Start	16733	End	17848
Name	OJ990310_01.9819.C19.o3.tm	Method	TBLASTX:Maize

Start	8431	End	8815
GI	none	Score	358
Exons	8431..8796, 8432..8815		

Seq. No.	10284	Seq. ID	OJ990310_01.9819.C19
Gene No.	21793	Strand	-
Start	16733	End	17848
Name	OJ990310_01.9819.C19.o2.tw	Method	TBLASTX:Wheat
Start	8488	End	8913
GI	none	Score	496
Exons	8488..8913, 8489..8908		

Seq. No.	10284	Seq. ID	OJ990310_01.9819.C19
Gene No.	21793	Strand	-
Start	16733	End	17848
Name	OJ990310_01.9819.C19.o1.ts	Method	TBLASTX:Soybean
Start	8567	End	8938
GI	none	Score	279
Exons	8567..8938, 8584..8727		

Seq. No.	10284	Seq. ID	OJ990310_01.9819.C19
Gene No.	21793	Strand	-
Start	16733	End	17848
Name	OJ990310_01.9819.C19.o4.tw	Method	TBLASTX:Wheat
Start	9538	End	9996
GI	none	Score	234
Exons	9538..9786, 9562..9786, 9627..9800, 9847..9996, 9856..9993, 9858..9995		

Seq. No.	10284	Seq. ID	OJ990310_01.9819.C19
Gene No.	21793	Strand	-
Start	16733	End	17848
Name	OJ990310_01.9819.C19.o2.ts	Method	TBLASTX:Soybean
Start	9685	End	10251
GI	5666795	Score	68
Exons	9685..9783, 9859..9996, 10051..10251		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	10284	Seq. ID	OJ990310_01.9819.C19
Gene No.	21793	Strand	-
Start	16733	End	17848
Name	OJ990310_01.9819.C19.o9.tw	Method	TBLASTX:Wheat
Start	9999	End	10453
GI	none	Score	184
Exons	9999..10175, 10051..10311, 10400..10453		

Seq. No.	10284	Seq. ID	OJ990310_01.9819.C19
Gene No.	21793	Strand	-
Start	16733	End	17848
Name	OJ990310_01.9819.C19.o2.tm	Method	TBLASTX:Maize
Start	10513	End	10827
GI	none	Score	360
Exons	10513..10827, 10548..10814		

Seq. No.	10284	Seq. ID	OJ990310_01.9819.C19
Gene No.	21793	Strand	-
Start	16733	End	17848

Name	OJ990310_01.9819.C19.o3.tw	Method	TBLASTX:Wheat
Start	10641	End	11022
GI	none	Score	360
Exons	10641..10697, 10642..11022, 10645..10896, 10743..10991		

Seq. No.	10284	Seq. ID	OJ990310_01.9819.C19
Gene No.	21793	Strand	-
Start	16733	End	17848
Name	OJ990310_01.9819.C19.o8.tw	Method	TBLASTX:Wheat
Start	11023	End	11625
GI	none	Score	266
Exons	11023..11313, 11028..11306, 11500..11625		

Seq. No.	10284	Seq. ID	OJ990310_01.9819.C19
Gene No.	21793	Strand	-
Start	16733	End	17848
Name	OJ990310_01.9819.C19.o7.tw	Method	TBLASTX:Wheat
Start	14146	End	14505
GI	none	Score	287
Exons	14146..14505, 14148..14501, 14215..14505		

Seq. No.	10284	Seq. ID	OJ990310_01.9819.C19
Gene No.	21793	Strand	-
Start	16733	End	17848
Name	OJ990310_01.9819.C19.o4.tm	Method	TBLASTX:Maize
Start	14386	End	14685
GI	none	Score	227
Exons	14386..14685, 14400..14489		

Seq. No.	10284	Seq. ID	OJ990310_01.9819.C19
Gene No.	21793	Strand	-
Start	16733	End	17848
Name	OJ990310_01.9819.C19.o7.np	Method	AAT/NAP
Start	16181	End	17848
GI	5852180	Score	723
Exons	16181..16250, 17019..17432, 17484..17638, 17757..17848		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	10284	Seq. ID	OJ990310_01.9819.C19
Gene No.	21793	Strand	-
Start	16733	End	17848
Name	OJ990310_01.9819.C19.o5.gs	Method	GENSCAN
Start	16733	End	17432
GI	none	Score	.99
Exons	16733..17432		

Seq. No.	10285	Seq. ID	OJ990310_01.9819.C20
Gene No.	21794	Strand	+
Start	429	End	814
Name	OJ990310_01.9819.C20.o1.gp	Method	AAT/GAP
Start	429	End	814
GI	uC-osflcyp033a04b1	Score	645
Exons	429..814		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	10285	Seq. ID	OJ990310_01.9819.C20

Gene No.	21795	Strand	-
Start	1500	End	3665
Name	OJ990310_01.9819.C20.o1.np	Method	AAT/NAP
Start	362	End	1458
GI	4680186	Score	344
Exons	362..563, 1404..1458		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	10285	Seq. ID	OJ990310_01.9819.C20
Gene No.	21795	Strand	-
Start	1500	End	3665
Name	OJ990310_01.9819.C20.o1.gs	Method	GENSCAN
Start	1500	End	3665
GI	none	Score	.79
Exons	1500..2304, 2404..3469, 3536..3665		

Seq. No.	10285	Seq. ID	OJ990310_01.9819.C20
Gene No.	21795	Strand	-
Start	1500	End	3665
Name	OJ990310_01.9819.C20.o2.np	Method	AAT/NAP
Start	1517	End	3665
GI	5803259	Score	2882
Exons	1517..2304, 2404..3665		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	10286	Seq. ID	OJ990310_01.9819.C21
Gene No.	21796	Strand	-
Start	315	End	535
Name	OJ990310_01.9819.C21.o1.tc	Method	TBLASTX:Cress
Start	303	End	460
GI	none	Score	73
Exons	303..449, 317..460, 318..449, 331..459		

Seq. No.	10286	Seq. ID	OJ990310_01.9819.C21
Gene No.	21796	Strand	-
Start	315	End	535
Name	OJ990310_01.9819.C21.o1.np	Method	AAT/NAP
Start	315	End	535
GI	3182921	Score	213
Exons	315..535		
GI Descrip.	ASPARAGINE SYNTHETASE [GLUTAMINE-HYDROLYZING] (GLUTAMINE-DEPENDENT ASPARAGINE SYNTHETASE) gi|1432054 (U55873) asparagine synthetase [Oryza sativa] gi|1902992|dbj|BAA18951| (D83378) asparagine synthetase [Oryza sativa]		

Seq. No.	10286	Seq. ID	OJ990310_01.9819.C21
Gene No.	21796	Strand	-
Start	315	End	535
Name	OJ990310_01.9819.C21.o1.tm	Method	TBLASTX:Maize
Start	317	End	460
GI	none	Score	199
Exons	317..460, 317..457, 331..459		

Seq. No.	10286	Seq. ID	OJ990310_01.9819.C21
Gene No.	21796	Strand	-
Start	315	End	535
Name	OJ990310_01.9819.C21.o1.ts	Method	TBLASTX:Soybean

Start	317	End	460
GI	none	Score	156
Exons	317..460, 323..457, 331..459		

Seq. No.	10286	Seq. ID	OJ990310_01.9819.C21
Gene No.	21796	Strand	-
Start	315	End	535
Name	OJ990310_01.9819.C21.o1.gp	Method	AAT/GAP
Start	319	End	458
GI	355_1.R1084	Score	255
Exons	319..458		
GI Descrip.	'4049348/emb|CAA22573.1| 5.0e-30 (AL034567) putative protein [Arabidopsis thaliana]'		

Seq. No.	10286	Seq. ID	OJ990310_01.9819.C21
Gene No.	21796	Strand	-
Start	315	End	535
Name	OJ990310_01.9819.C21.o1.gs	Method	GENSCAN
Start	319	End	457
GI	none	Score	.96
Exons	319..457		

Seq. No.	10287	Seq. ID	OJ990310_01.9819.C22
Gene No.	21797	Strand	-
Start	282	End	668
Name	OJ990310_01.9819.C22.o1.ts	Method	TBLASTX:Soybean
Start	269	End	605
GI	none	Score	132
Exons	269..349, 471..605		

Seq. No.	10287	Seq. ID	OJ990310_01.9819.C22
Gene No.	21797	Strand	-
Start	282	End	668
Name	OJ990310_01.9819.C22.o1.gs	Method	GENSCAN
Start	282	End	668
GI	none	Score	.93
Exons	282..391, 474..668		

Seq. No.	10288	Seq. ID	OJ990310_01.9819.C23
Gene No.	21798	Strand	-
Start	1	End	5269
Name	OJ990310_01.9819.C23.o1.np	Method	AAT/NAP
Start	1	End	5127
GI	3182921	Score	1429
Exons	1..335, 427..507, 705..866, 1160..1254, 1439..1534, 3084..3225, 3343..3438, 3738..3876, 5048..5127		
GI Descrip.	ASPARAGINE SYNTHETASE [GLUTAMINE-HYDROLYZING] (GLUTAMINE-DEPENDENT ASPARAGINE SYNTHETASE) gi|1432054 (U55873) asparagine synthetase [Oryza sativa] gi|1902992|dbj|BAA18951| (D83378) asparagine synthetase [Oryza sativa]		

Seq. No.	10288	Seq. ID	OJ990310_01.9819.C23
Gene No.	21798	Strand	-
Start	1	End	5269
Name	OJ990310_01.9819.C23.o1.gp	Method	AAT/GAP
Start	308	End	5269
GI	355_1.R1084	Score	1893

Exons	308..335, 427..507, 705..866, 1160..1254, 1439..1534, 3084..3225, 3343..3438, 3738..3876, 5048..5269		
GI Descrip.	'4049348/emb|CAA22573.1| 5.0e-30 (AL034567) putative protein [Arabidopsis thaliana]'		
Seq. No.	10288	Seq. ID	OJ990310_01.9819.C23
Gene No.	21798	Strand	-
Start	1	End	5269
Name	OJ990310_01.9819.C23.o1.gs	Method	GENSCAN
Start	1164	End	5127
GI	none	Score	.81
Exons	1164..1171, 3084..3225, 3343..3438, 3738..3876, 4678..4842, 5048..5127		
Seq. No.	10288	Seq. ID	OJ990310_01.9819.C23
Gene No.	21799	Strand	-
Start	6804	End	7794
Name	OJ990310_01.9819.C23.o1.tm	Method	TBLASTX:Maize
Start	103	End	5246
GI	none	Score	70
Exons	103..150, 111..149, 309..338, 411..512, 425..514, 425..487, 427..507, 706..846, 706..867, 708..869, 1157..1246, 1158..1262, 1158..1262, 1413..1529, 1425..1535, 1438..1536, 3082..3225, 3082..3225, 3343..3444, 3344..3439, 3736..3879, 3736..3876, 3737..3877, 3750..3878, 5047..5136, 5051..5131, 5211..5246		
Seq. No.	10288	Seq. ID	OJ990310_01.9819.C23
Gene No.	21799	Strand	-
Start	6804	End	7794
Name	OJ990310_01.9819.C23.o1.tc	Method	TBLASTX:Cress
Start	111	End	5127
GI	none	Score	82
Exons	111..149, 309..338, 427..507, 431..514, 699..869, 706..846, 708..869, 1157..1246, 1158..1262, 1425..1535, 1432..1536, 3068..3214, 3082..3225, 3082..3225, 3343..3444, 3344..3439, 3722..3868, 3736..3879, 3737..3868, 3750..3878, 5047..5127, 5051..5125		
Seq. No.	10288	Seq. ID	OJ990310_01.9819.C23
Gene No.	21799	Strand	-
Start	6804	End	7794
Name	OJ990310_01.9819.C23.o1.ts	Method	TBLASTX:Soybean
Start	3095	End	5128
GI	none	Score	107
Exons	3095..3181, 3095..3214, 3096..3224, 3097..3225, 3097..3225, 3343..3444, 3344..3439, 3736..3879, 3742..3876, 3750..3878, 5047..5127, 5051..5128		
Seq. No.	10288	Seq. ID	OJ990310_01.9819.C23
Gene No.	21799	Strand	-
Start	6804	End	7794
Name	OJ990310_01.9819.C23.o3.gp	Method	AAT/GAP
Start	6804	End	7246
GI	59956_1.R1084	Score	756
Exons	6804..7246		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 2.0e-35 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	10288	Seq. ID	OJ990310_01.9819.C23
Gene No.	21799	Strand	-
Start	6804	End	7794
Name	OJ990310_01.9819.C23.o2.gs	Method	GENSCAN
Start	6969	End	7794
GI	none	Score	.72
Exons	6969..7094, 7357..7463, 7704..7794		

Seq. No.	10289	Seq. ID	OJ990310_01.9819.C24
Gene No.	21800	Strand	-
Start	213	End	306
Name	OJ990310_01.9819.C24.o1.gs	Method	GENSCAN
Start	213	End	306
GI	none	Score	.79
Exons	213..306		

Seq. No.	10290	Seq. ID	OJ990310_01.9819.C25
Gene No.	21801	Strand	+
Start	1	End	279
Name	OJ990310_01.9819.C25.o1.np	Method	AAT/NAP
Start	1	End	279
GI	4680183	Score	132
Exons	1..279		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	10290	Seq. ID	OJ990310_01.9819.C25
Gene No.	21802	Strand	-
Start	40	End	53
Name	OJ990310_01.9819.C25.o1.gs	Method	GENSCAN
Start	40	End	53
GI	none	Score	.65
Exons	40..53		

Seq. No.	10291	Seq. ID	OJ990310_01.9819.C26
Gene No.	21803	Strand	+
Start	1	End	1143
Name	OJ990310_01.9819.C26.o1.np	Method	AAT/NAP
Start	1	End	1143
GI	6539553	Score	1692
Exons	1..1143		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	10291	Seq. ID	OJ990310_01.9819.C26
Gene No.	21804	Strand	-
Start	649	End	1201
Name	OJ990310_01.9819.C26.o1.ts	Method	TBLASTX:Soybean
Start	179	End	529
GI	none	Score	307
Exons	179..427, 181..525, 182..526, 476..529		

Seq. No.	10291	Seq. ID	OJ990310_01.9819.C26
Gene No.	21804	Strand	-
Start	649	End	1201

Name	OJ990310_01.9819.C26.o1.tm	Method	TBLASTX:Maize
Start	344	End	676
GI	none	Score	280
Exons	344..676, 344..643, 352..675		

Seq. No.	10291	Seq. ID	OJ990310_01.9819.C26
Gene No.	21804	Strand	-
Start	649	End	1201
Name	OJ990310_01.9819.C26.o1.tw	Method	TBLASTX:Wheat
Start	532	End	1005
GI	none	Score	98
Exons	532..600, 533..607, 533..613, 622..882, 622..891, 623..892, 890..928, 892..1005, 892..972		

Seq. No.	10291	Seq. ID	OJ990310_01.9819.C26
Gene No.	21804	Strand	-
Start	649	End	1201
Name	OJ990310_01.9819.C26.o2.ts	Method	TBLASTX:Soybean
Start	539	End	871
GI	none	Score	90
Exons	539..652, 565..645, 671..871, 671..859		

Seq. No.	10291	Seq. ID	OJ990310_01.9819.C26
Gene No.	21804	Strand	-
Start	649	End	1201
Name	OJ990310_01.9819.C26.o1.gs	Method	GENSCAN
Start	649	End	1201
GI	none	Score	.61
Exons	649..976, 1066..1201		

Seq. No.	10292	Seq. ID	OJ990310_01.9819.C27
Gene No.	21805	Strand	+
Start	1	End	451
Name	OJ990310_01.9819.C27.o1.np	Method	AAT/NAP
Start	1	End	451
GI	6539553	Score	221
Exons	1..451		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	10292	Seq. ID	OJ990310_01.9819.C27
Gene No.	21806	Strand	+
Start	2416	End	5900
Name	OJ990310_01.9819.C27.o2.np	Method	AAT/NAP
Start	2416	End	5900
GI	5042463	Score	94
Exons	2416..2437, 4274..4490, 5157..5303, 5356..5506, 5687..5900		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	10292	Seq. ID	OJ990310_01.9819.C27
Gene No.	21807	Strand	-
Start	3662	End	6584
Name	OJ990310_01.9819.C27.o3.np	Method	AAT/NAP
Start	3662	End	6575
GI	6815107	Score	107

Exons	3662..3691, 6122..6575		
GI Descrip.	(AP001081) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10;hypothetical protein (AL035538) [Oryza sativa]		
Seq. No.	10292	Seq. ID	OJ990310_01.9819.C27
Gene No.	21807	Strand	-
Start	3662	End	6584
Name	OJ990310_01.9819.C27.o1.tm	Method	TBLASTX:Maize
Start	6243	End	6584
GI	none	Score	58
Exons	6243..6422, 6247..6387, 6420..6566, 6420..6584		
Seq. No.	10293	Seq. ID	OJ990310_01.9819.C28
Gene No.	21808	Strand	-
Start	1128	End	2376
Name	OJ990310_01.9819.C28.o1.gs	Method	GENSCAN
Start	1128	End	2308
GI	none	Score	.95
Exons	1128..2171, 2210..2308		
Seq. No.	10293	Seq. ID	OJ990310_01.9819.C28
Gene No.	21808	Strand	-
Start	1128	End	2376
Name	OJ990310_01.9819.C28.o1.np	Method	AAT/NAP
Start	1134	End	2376
GI	4432824	Score	894
Exons	1134..2376		
GI Descrip.	(AC006593) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	10293	Seq. ID	OJ990310_01.9819.C28
Gene No.	21809	Strand	-
Start	3132	End	3547
Name	OJ990310_01.9819.C28.o1.ts	Method	TBLASTX:Soybean
Start	1317	End	1655
GI	none	Score	130
Exons	1317..1583, 1320..1655		
Seq. No.	10293	Seq. ID	OJ990310_01.9819.C28
Gene No.	21809	Strand	-
Start	3132	End	3547
Name	OJ990310_01.9819.C28.o1.tc	Method	TBLASTX:Cress
Start	1320	End	1589
GI	none	Score	64
Exons	1320..1589, 1356..1532		
Seq. No.	10293	Seq. ID	OJ990310_01.9819.C28
Gene No.	21809	Strand	-
Start	3132	End	3547
Name	OJ990310_01.9819.C28.o2.ts	Method	TBLASTX:Soybean
Start	2103	End	2314
GI	none	Score	63
Exons	2103..2210, 2104..2163, 2210..2314, 2226..2300		
Seq. No.	10293	Seq. ID	OJ990310_01.9819.C28
Gene No.	21809	Strand	-
Start	3132	End	3547
Name	OJ990310_01.9819.C28.o2.gs	Method	GENSCAN

Start	3132	End	3547
GI	none	Score	.61
Exons	3132..3267, 3482..3547		

Seq. No.	10294	Seq. ID	OJ990310_01.9819.C29
Gene No.	21810	Strand	-
Start	1	End	4714
Name	OJ990310_01.9819.C29.o1.np	Method	AAT/NAP
Start	1	End	4714
GI	5042454	Score	139
Exons	1..79, 4187..4280, 4617..4714		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	10295	Seq. ID	OJ990310_01.9819.C30
Gene No.	21811	Strand	+
Start	1	End	3922
Name	OJ990310_01.9819.C30.o1.np	Method	AAT/NAP
Start	1	End	3922
GI	6466937	Score	2061
Exons	1..2820, 3860..3922		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	10295	Seq. ID	OJ990310_01.9819.C30
Gene No.	21811	Strand	+
Start	1	End	3922
Name	OJ990310_01.9819.C30.o1.gp	Method	AAT/GAP
Start	3084	End	3247
GI	65969_1.R1084	Score	271
Exons	3084..3247		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-149 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	10295	Seq. ID	OJ990310_01.9819.C30
Gene No.	21812	Strand	-
Start	3541	End	5943
Name	OJ990310_01.9819.C30.o2.tm	Method	TBLASTX:Maize
Start	126	End	599
GI	none	Score	588
Exons	126..599, 128..589, 177..596		

Seq. No.	10295	Seq. ID	OJ990310_01.9819.C30
Gene No.	21812	Strand	-
Start	3541	End	5943
Name	OJ990310_01.9819.C30.o4.ts	Method	TBLASTX:Soybean
Start	126	End	413
GI	none	Score	180
Exons	126..413		

Seq. No.	10295	Seq. ID	OJ990310_01.9819.C30
Gene No.	21812	Strand	-
Start	3541	End	5943
Name	OJ990310_01.9819.C30.o4.tw	Method	TBLASTX:Wheat
Start	132	End	545
GI	none	Score	324
Exons	132..545, 209..502		

Seq. No.	10295	Seq. ID	OJ990310_01.9819.C30
Gene No.	21812	Strand	-
Start	3541	End	5943
Name	OJ990310_01.9819.C30.o3.ts	Method	TBLASTX:Soybean
Start	510	End	869
GI	none	Score	320
Exons	510..869		

Seq. No.	10295	Seq. ID	OJ990310_01.9819.C30
Gene No.	21812	Strand	-
Start	3541	End	5943
Name	OJ990310_01.9819.C30.o3.tw	Method	TBLASTX:Wheat
Start	594	End	995
GI	none	Score	336
Exons	594..995, 626..961		

Seq. No.	10295	Seq. ID	OJ990310_01.9819.C30
Gene No.	21812	Strand	-
Start	3541	End	5943
Name	OJ990310_01.9819.C30.o4.tm	Method	TBLASTX:Maize
Start	614	End	1144
GI	none	Score	525
Exons	614..1069, 618..1073, 885..1073, 1031..1144		

Seq. No.	10295	Seq. ID	OJ990310_01.9819.C30
Gene No.	21812	Strand	-
Start	3541	End	5943
Name	OJ990310_01.9819.C30.o5.tm	Method	TBLASTX:Maize
Start	1145	End	1567
GI	none	Score	232
Exons	1145..1333, 1145..1294, 1147..1314, 1337..1567, 1435..1566		

Seq. No.	10295	Seq. ID	OJ990310_01.9819.C30
Gene No.	21812	Strand	-
Start	3541	End	5943
Name	OJ990310_01.9819.C30.o1.tw	Method	TBLASTX:Wheat
Start	1316	End	1735
GI	none	Score	371
Exons	1316..1735, 1444..1734		

Seq. No.	10295	Seq. ID	OJ990310_01.9819.C30
Gene No.	21812	Strand	-
Start	3541	End	5943
Name	OJ990310_01.9819.C30.o1.tm	Method	TBLASTX:Maize
Start	1568	End	2203
GI	none	Score	796
Exons	1568..2203, 1570..2202, 1799..2203		

Seq. No.	10295	Seq. ID	OJ990310_01.9819.C30
Gene No.	21812	Strand	-
Start	3541	End	5943
Name	OJ990310_01.9819.C30.o2.ts	Method	TBLASTX:Soybean
Start	1604	End	1975
GI	none	Score	338
Exons	1604..1975, 1627..1971		

Seq. No.	10295	Seq. ID	OJ990310_01.9819.C30

Gene No.	21812	Strand	-
Start	3541	End	5943
Name	OJ990310_01.9819.C30.o5.tw	Method	TBLASTX:Wheat
Start	1823	End	2215
GI	none	Score	294
Exons	1823..2215, 1915..2202		

Seq. No.	10295	Seq. ID	OJ990310_01.9819.C30
Gene No.	21812	Strand	-
Start	3541	End	5943
Name	OJ990310_01.9819.C30.o3.tm	Method	TBLASTX:Maize
Start	2207	End	2969
GI	none	Score	35
Exons	2207..2227, 2246..2881, 2261..2566, 2702..2821, 2882..2962, 2888..2962, 2946..2969		

Seq. No.	10295	Seq. ID	OJ990310_01.9819.C30
Gene No.	21812	Strand	-
Start	3541	End	5943
Name	OJ990310_01.9819.C30.o2.tw	Method	TBLASTX:Wheat
Start	2270	End	2620
GI	none	Score	344
Exons	2270..2620, 2303..2563, 2305..2571		

Seq. No.	10295	Seq. ID	OJ990310_01.9819.C30
Gene No.	21812	Strand	-
Start	3541	End	5943
Name	OJ990310_01.9819.C30.o6.tm	Method	TBLASTX:Maize
Start	3250	End	4507
GI	none	Score	67
Exons	3250..3363, 3266..3322, 3352..3435, 3415..3444, 3473..3490, 3565..3681, 3569..3682, 3803..4036, 3808..4071, 4214..4501, 4228..4404, 4232..4507		

Seq. No.	10295	Seq. ID	OJ990310_01.9819.C30
Gene No.	21812	Strand	-
Start	3541	End	5943
Name	OJ990310_01.9819.C30.o2.gs	Method	GENSCAN
Start	3541	End	4961
GI	none	Score	.69
Exons	3541..4101, 4229..4516, 4589..4732, 4929..4961		

Seq. No.	10295	Seq. ID	OJ990310_01.9819.C30
Gene No.	21812	Strand	-
Start	3541	End	5943
Name	OJ990310_01.9819.C30.o2.np	Method	AAT/NAP
Start	3632	End	5943
GI	6957707	Score	559
Exons	3632..4101, 4229..4524, 5923..5943		
GI Descrip.	(AC021640) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	10295	Seq. ID	OJ990310_01.9819.C30
Gene No.	21812	Strand	-
Start	3541	End	5943
Name	OJ990310_01.9819.C30.o1.ts	Method	TBLASTX:Soybean
Start	3787	End	4501
GI	none	Score	80

Exons	3787..4038, 3917..4039, 4223..4498, 4223..4501, 4371..4499		
Seq. No.	10295	Seq. ID	OJ990310_01.9819.C30
Gene No.	21812	Strand	-
Start	3541	End	5943
Name	OJ990310_01.9819.C30.o1.tc	Method	TBLASTX:Cress
Start	4214	End	4501
GI	none	Score	70
Exons	4214..4501, 4220..4498		
Seq. No.	10296	Seq. ID	OJ990310_01.9819.C31
Gene No.	21813	Strand	+
Start	1781	End	4086
Name	OJ990310_01.9819.C31.o2.np	Method	AAT/NAP
Start	1781	End	3996
GI	4432824	Score	155
Exons	1781..1806, 3702..3996		
GI Descrip.	(AC006593) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	10296	Seq. ID	OJ990310_01.9819.C31
Gene No.	21813	Strand	+
Start	1781	End	4086
Name	OJ990310_01.9819.C31.o2.gs	Method	GENSCAN
Start	3820	End	4086
GI	none	Score	.73
Exons	3820..4086		
Seq. No.	10296	Seq. ID	OJ990310_01.9819.C31
Gene No.	21814	Strand	-
Start	1	End	3823
Name	OJ990310_01.9819.C31.o1.np	Method	AAT/NAP
Start	1	End	3823
GI	6466937	Score	836
Exons	1..1669, 1697..2159, 3738..3823		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		
Seq. No.	10296	Seq. ID	OJ990310_01.9819.C31
Gene No.	21814	Strand	-
Start	1	End	3823
Name	OJ990310_01.9819.C31.o1.gs	Method	GENSCAN
Start	316	End	2523
GI	none	Score	.66
Exons	316..1196, 1274..1311, 1463..2523		
Seq. No.	10296	Seq. ID	OJ990310_01.9819.C31
Gene No.	21814	Strand	-
Start	1	End	3823
Name	OJ990310_01.9819.C31.o1.gp	Method	AAT/GAP
Start	2413	End	2883
GI	65969_1.R1084	Score	792
Exons	2413..2883		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-149 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		
Seq. No.	10296	Seq. ID	OJ990310_01.9819.C31
Gene No.	21815	Strand	-

Start	5490	End	6239
Name	OJ990310_01.9819.C31.o1.tm	Method	TBLASTX:Maize
Start	166	End	639
GI	none	Score	206
Exons	166..639, 169..588, 176..637		

Seq. No.	10296	Seq. ID	OJ990310_01.9819.C31
Gene No.	21815	Strand	-
Start	5490	End	6239
Name	OJ990310_01.9819.C31.o1.tw	Method	TBLASTX:Wheat
Start	220	End	702
GI	none	Score	179
Exons	220..702, 263..556		

Seq. No.	10296	Seq. ID	OJ990310_01.9819.C31
Gene No.	21815	Strand	-
Start	5490	End	6239
Name	OJ990310_01.9819.C31.o2.ts	Method	TBLASTX:Soybean
Start	352	End	666
GI	none	Score	198
Exons	352..666		

Seq. No.	10296	Seq. ID	OJ990310_01.9819.C31
Gene No.	21815	Strand	-
Start	5490	End	6239
Name	OJ990310_01.9819.C31.o3.tm	Method	TBLASTX:Maize
Start	948	End	1242
GI	none	Score	122
Exons	948..1034, 949..1230, 949..1242		

Seq. No.	10296	Seq. ID	OJ990310_01.9819.C31
Gene No.	21815	Strand	-
Start	5490	End	6239
Name	OJ990310_01.9819.C31.o3.np	Method	AAT/NAP
Start	5270	End	6239
GI	5734716	Score	252
Exons	5270..5377, 5709..5893, 5978..6049, 6143..6239		
GI Descrip.	(AC008075) Simialr to gb|AF049928 PGP224 protein from Petunia x hybrida. [Arabidopsis thaliana]		

Seq. No.	10296	Seq. ID	OJ990310_01.9819.C31
Gene No.	21815	Strand	-
Start	5490	End	6239
Name	OJ990310_01.9819.C31.o3.gs	Method	GENSCAN
Start	5490	End	6222
GI	none	Score	.6
Exons	5490..5893, 5978..6049, 6143..6222		

Seq. No.	10296	Seq. ID	OJ990310_01.9819.C31
Gene No.	21815	Strand	-
Start	5490	End	6239
Name	OJ990310_01.9819.C31.o2.tm	Method	TBLASTX:Maize
Start	5665	End	6194
GI	none	Score	127
Exons	5665..5844, 5682..5876, 5736..5873, 5979..6047, 5980..6033, 6126..6194		

Seq. No.	10296	Seq. ID	OJ990310_01.9819.C31
Gene No.	21815	Strand	-
Start	5490	End	6239
Name	OJ990310_01.9819.C31.o1.tc	Method	TBLASTX:Cress
Start	5682	End	6192
GI	none	Score	81
Exons	5682..5867, 5701..5862, 5943..6047, 5980..6033, 6141..6191, 6154..6192		

Seq. No.	10296	Seq. ID	OJ990310_01.9819.C31
Gene No.	21815	Strand	-
Start	5490	End	6239
Name	OJ990310_01.9819.C31.o1.ts	Method	TBLASTX:Soybean
Start	5682	End	6188
GI	none	Score	79
Exons	5682..5867, 5683..5853, 5979..6047, 5980..6033, 6126..6188		

Seq. No.	10296	Seq. ID	OJ990310_01.9819.C31
Gene No.	21815	Strand	-
Start	5490	End	6239
Name	OJ990310_01.9819.C31.o2.tw	Method	TBLASTX:Wheat
Start	5711	End	6185
GI	none	Score	117
Exons	5711..5863, 5712..5867, 5713..5853, 5736..5864, 5943..6047, 5950..6033, 5984..6049, 6141..6185		

Seq. No.	10297	Seq. ID	OJ990310_01.9819.C32
Gene No.	21816	Strand	-
Start	1556	End	9763
Name	OJ990310_01.9819.C32.o1.gs	Method	GENSCAN
Start	1556	End	2485
GI	none	Score	1
Exons	1556..1794, 2272..2485		

Seq. No.	10297	Seq. ID	OJ990310_01.9819.C32
Gene No.	21816	Strand	-
Start	1556	End	9763
Name	OJ990310_01.9819.C32.o1.np	Method	AAT/NAP
Start	1720	End	8798
GI	6523547	Score	357
Exons	1720..1768, 7565..8798		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	10297	Seq. ID	OJ990310_01.9819.C32
Gene No.	21816	Strand	-
Start	1556	End	9763
Name	OJ990310_01.9819.C32.o2.gs	Method	GENSCAN
Start	5128	End	9763
GI	none	Score	.73
Exons	5128..5333, 6926..6986, 7327..7531, 7600..7693, 7787..8081, 8449..8596, 9207..9281, 9705..9763		

Seq. No.	10297	Seq. ID	OJ990310_01.9819.C32
Gene No.	21816	Strand	-
Start	1556	End	9763
Name	OJ990310_01.9819.C32.o1.gp	Method	AAT/GAP

Start	5683	End	5795
GI	uC-osf1cyp088b12b1	Score	168
Exons	5683..5795		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	10298	Seq. ID	OJ990310_01.9819.C33
Gene No.	21817	Strand	+
Start	201	End	2359
Name	OJ990310_01.9819.C33.o1.gs	Method	GENSCAN
Start	201	End	2359
GI	none	Score	.64
Exons	201..351, 1299..1484, 1675..1822, 2120..2359		

Seq. No.	10298	Seq. ID	OJ990310_01.9819.C33
Gene No.	21818	Strand	+
Start	5209	End	6459
Name	OJ990310_01.9819.C33.o3.gs	Method	GENSCAN
Start	5209	End	6459
GI	none	Score	.72
Exons	5209..5639, 5868..6078, 6451..6459		

Seq. No.	10298	Seq. ID	OJ990310_01.9819.C33
Gene No.	21819	Strand	-
Start	2379	End	2669
Name	OJ990310_01.9819.C33.o1.gp	Method	AAT/GAP
Start	2379	End	2669
GI	3762588	Score	521
Exons	2379..2669		

Seq. No.	10298	Seq. ID	OJ990310_01.9819.C33
Gene No.	21820	Strand	-
Start	2596	End	3203
Name	OJ990310_01.9819.C33.o2.gp	Method	AAT/GAP
Start	2596	End	3203
GI	29287_1.R1084	Score	797
Exons	2596..3026, 3131..3203		
GI Descrip.	'1084427/pir||S54832 3.0e-28 gip1 protein - garden petunia >gi_825524_emb_CAA60677_ (X87225) gip1 [Petunia x hybrida]'		

Seq. No.	10298	Seq. ID	OJ990310_01.9819.C33
Gene No.	21820	Strand	-
Start	2596	End	3203
Name	OJ990310_01.9819.C33.o2.gs	Method	GENSCAN
Start	2766	End	3202
GI	none	Score	.99
Exons	2766..3026, 3131..3202		

Seq. No.	10298	Seq. ID	OJ990310_01.9819.C33
Gene No.	21820	Strand	-
Start	2596	End	3203
Name	OJ990310_01.9819.C33.o1.np	Method	AAT/NAP
Start	2769	End	3104
GI	1084427	Score	313
Exons	2769..3104		
GI Descrip.	gip1 protein - garden petunia gi|825524|emb|CAA60677| (X87225) gip1 [Petunia x hybrida]		

Seq. No.	10298	Seq. ID	OJ990310_01.9819.C33
Gene No.	21821	Strand	-
Start	4940	End	5135
Name	OJ990310_01.9819.C33.o3.gp	Method	AAT/GAP
Start	4940	End	5135
GI	24989_1.R1084	Score	268
Exons	4940..5135		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 2.0e-13 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	10298	Seq. ID	OJ990310_01.9819.C33
Gene No.	21822	Strand	-
Start	7474	End	8020
Name	OJ990310_01.9819.C33.o1.tm	Method	TBLASTX:Maize
Start	2755	End	2964
GI	none	Score	57
Exons	2755..2799, 2766..2963, 2767..2799, 2851..2961, 2890..2964		

Seq. No.	10298	Seq. ID	OJ990310_01.9819.C33
Gene No.	21822	Strand	-
Start	7474	End	8020
Name	OJ990310_01.9819.C33.o1.ts	Method	TBLASTX:Soybean
Start	2763	End	2963
GI	none	Score	46
Exons	2763..2963, 2770..2799, 2847..2915, 2851..2961		

Seq. No.	10298	Seq. ID	OJ990310_01.9819.C33
Gene No.	21822	Strand	-
Start	7474	End	8020
Name	OJ990310_01.9819.C33.o1.tc	Method	TBLASTX:Cress
Start	2766	End	2957
GI	none	Score	50
Exons	2766..2957, 2770..2799, 2847..2915, 2851..2955		

Seq. No.	10298	Seq. ID	OJ990310_01.9819.C33
Gene No.	21822	Strand	-
Start	7474	End	8020
Name	OJ990310_01.9819.C33.o1.tw	Method	TBLASTX:Wheat
Start	2766	End	2957
GI	none	Score	177
Exons	2766..2957		

Seq. No.	10298	Seq. ID	OJ990310_01.9819.C33
Gene No.	21822	Strand	-
Start	7474	End	8020
Name	OJ990310_01.9819.C33.o4.gs	Method	GENSCAN
Start	7474	End	8020
GI	none	Score	.86
Exons	7474..7492, 7950..8020		

Seq. No.	10299	Seq. ID	OJ990310_01.9819.C36
Gene No.	21823	Strand	+
Start	256	End	3091
Name	OJ990310_01.9819.C36.o1.np	Method	AAT/NAP
Start	256	End	3091
GI	5734721	Score	842

Exons	256..292, 2164..3091		
GI Descrip.	(AC008075) Similar to gb|AF023472 peptide transporter from Hordeum vulgare and is a member of the PF|00854 Peptide transporter family. ESTs gb|T41927 and gb|AA395024 come from this gene. [Arabidopsis thaliana]		
Seq. No.	10299	Seq. ID	OJ990310_01.9819.C36
Gene No.	21823	Strand	+ -
Start	256	End	3091
Name	OJ990310_01.9819.C36.o1.gs	Method	GENSCAN
Start	961	End	3091
GI	none	Score	.93
Exons	961..1094, 2164..3091		
Seq. No.	10299	Seq. ID	OJ990310_01.9819.C36
Gene No.	21823	Strand	+
Start	256	End	3091
Name	OJ990310_01.9819.C36.o1.gp	Method	AAT/GAP
Start	2333	End	2847
GI	uC-osflcyp078g11b1	Score	1009
Exons	2333..2847		
GI Descrip.	'5734721/gb|AAD49986.1|AC008075_19 2.0e-48 (AC008075) Similar to gb_AF023472 peptide transporter from Hordeum vulgare and is a member of the PF_00854 Peptide transporter family. ESTs gb_T41927 and gb_AA395024 come from this gene. [Arabidopsis thaliana]'		
Seq. No.	10299	Seq. ID	OJ990310_01.9819.C36
Gene No.	21824	Strand	-
Start	2908	End	3436
Name	OJ990310_01.9819.C36.o2.gp	Method	AAT/GAP
Start	2908	End	3436
GI	none	Score	784
Exons	2908..3436		
Seq. No.	10299	Seq. ID	OJ990310_01.9819.C36
Gene No.	21825	Strand	-
Start	3611	End	3910
Name	OJ990310_01.9819.C36.o1.tc	Method	TBLASTX:Cress
Start	2248	End	3001
GI	none	Score	129
Exons	2248..2391, 2255..2404, 2414..2617, 2671..2838, 2672..3001, 2729..2860		
Seq. No.	10299	Seq. ID	OJ990310_01.9819.C36
Gene No.	21825	Strand	-
Start	3611	End	3910
Name	OJ990310_01.9819.C36.o1.tm	Method	TBLASTX:Maize
Start	2252	End	3010
GI	none	Score	121
Exons	2252..2404, 2402..2626, 2672..3010, 2720..2842		
Seq. No.	10299	Seq. ID	OJ990310_01.9819.C36
Gene No.	21825	Strand	-
Start	3611	End	3910
Name	OJ990310_01.9819.C36.o1.ts	Method	TBLASTX:Soybean
Start	2284	End	3037

GI	none	Score	155
Exons	2284..2394, 2285..2404, 2288..2398, 2423..2635, 2489..2581, 2527..2616, 2671..2910, 2672..2908, 2903..3037, 2905..2997		

Seq. No.	10299	Seq. ID	OJ990310_01.9819.C36
Gene No.	21825	Strand	-
Start	3611	End	3910
Name	OJ990310_01.9819.C36.o1.tw	Method	TBLASTX:Wheat
Start	2684	End	3010
GI	none	Score	262
Exons	2684..3010, 2686..2970		

Seq. No.	10299	Seq. ID	OJ990310_01.9819.C36
Gene No.	21825	Strand	-
Start	3611	End	3910
Name	OJ990310_01.9819.C36.o2.tm	Method	TBLASTX:Maize
Start	3599	End	3835
GI	none	Score	189
Exons	3599..3835, 3600..3830, 3716..3835		

Seq. No.	10299	Seq. ID	OJ990310_01.9819.C36
Gene No.	21825	Strand	-
Start	3611	End	3910
Name	OJ990310_01.9819.C36.o2.np	Method	AAT/NAP
Start	3611	End	3910
GI	113324	Score	130
Exons	3611..3910		
GI Descrip.	ACYLPHOSPHATASE, MUSCLE TYPE ISOZYME (ACYLPHOSPHATE PHOSPHOHYDROLASE) (ISOZYME TU1) gi|67797|pir||QPTK acylphosphatase (EC 3.6.1.7) Tu1, skeletal muscle - turkey gi|223821|prf||1001154A acylphosphatase [Meleagris gallopavo]		

Seq. No.	10300	Seq. ID	OJ990310_01.9819.C37
Gene No.	21826	Strand	-
Start	18	End	7102
Name	OJ990310_01.9819.C37.o1.np	Method	AAT/NAP
Start	18	End	322
GI	113327	Score	115
Exons	18..322		
GI Descrip.	ACYLPHOSPHATASE, ORGAN-COMMON TYPE ISOZYME (ACYLPHOSPHATE PHOSPHOHYDROLASE) (ISOZYME CH2) gi|476523|pir||QPCH2 acylphosphatase (EC 3.6.1.7) Ch2, skeletal muscle - chicken gi|359741|prf||1313301A acylphosphatase isozyme Ch2 [Gallus gallus]		

Seq. No.	10300	Seq. ID	OJ990310_01.9819.C37
Gene No.	21826	Strand	-
Start	18	End	7102
Name	OJ990310_01.9819.C37.o2.tm	Method	TBLASTX:Maize
Start	115	End	298
GI	none	Score	167
Exons	115..201, 116..298, 125..253, 262..297		

Seq. No.	10300	Seq. ID	OJ990310_01.9819.C37
Gene No.	21826	Strand	-
Start	18	End	7102
Name	OJ990310_01.9819.C37.o1.gs	Method	GENSCAN

Start	122	End	6980
GI	none	Score	.56
Exons	122..322, 5641..5711, 6074..6175, 6343..6454, 6542..6676, 6756..6980		

Seq. No.	10300	Seq. ID	OJ990310_01.9819.C37
Gene No.	21826	Strand	-
Start	18	End	7102
Name	OJ990310_01.9819.C37.o1.gp	Method	AAT/GAP
Start	5795	End	7102
GI	1176_2.R1084	Score	1598
Exons	5795..6175, 6383..6454, 6542..6676, 6756..7102		
GI Descrip.	'687677 4.0e-28 (U19925) unknown [Arabidopsis thaliana]'		

Seq. No.	10300	Seq. ID	OJ990310_01.9819.C37
Gene No.	21826	Strand	-
Start	18	End	7102
Name	OJ990310_01.9819.C37.o1.tm	Method	TBLASTX:Maize
Start	6110	End	6974
GI	none	Score	102
Exons	6110..6178, 6111..6176, 6365..6454, 6372..6482, 6435..6458, 6530..6610, 6540..6599, 6638..6679, 6651..6677, 6756..6827, 6757..6801, 6795..6920, 6897..6935, 6904..6936, 6942..6974		

Seq. No.	10300	Seq. ID	OJ990310_01.9819.C37
Gene No.	21826	Strand	-
Start	18	End	7102
Name	OJ990310_01.9819.C37.o2.np	Method	AAT/NAP
Start	6113	End	6998
GI	2191138	Score	250
Exons	6113..6175, 6383..6454, 6542..6676, 6756..6998		
GI Descrip.	(AF007269) A_IG002N01.18 gene product [Arabidopsis thaliana]		

Seq. No.	10301	Seq. ID	OJ990310_01.9819.C38
Gene No.	21827	Strand	+
Start	105	End	279
Name	OJ990310_01.9819.C38.o1.gs	Method	GENSCAN
Start	105	End	279
GI	none	Score	.65
Exons	105..279		

Seq. No.	10302	Seq. ID	OJ990310_01.9819.C39
Gene No.	21828	Strand	-
Start	273	End	479
Name	OJ990310_01.9819.C39.o1.tm	Method	TBLASTX:Maize
Start	57	End	479
GI	none	Score	90
Exons	57..164, 63..167, 64..168, 64..171, 266..361, 269..358, 273..365, 438..479, 438..479		

Seq. No.	10302	Seq. ID	OJ990310_01.9819.C39
Gene No.	21828	Strand	-
Start	273	End	479
Name	OJ990310_01.9819.C39.o1.gs	Method	GENSCAN
Start	273	End	333
GI	none	Score	.87
Exons	273..333		

Seq. No.	10303	Seq. ID	OJ990310_01.9819.C42
Gene No.	21829	Strand	+
Start	1	End	745
Name	OJ990310_01.9819.C42.o1.np	Method	AAT/NAP
Start	1	End	745
GI	6539553	Score	870
Exons	1..745		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	10304	Seq. ID	OJ990310_02.9819.C2
Gene No.	21830	Strand	
Start	37	End	311
Name	OJ990310_02.9819.C2.o1.tm	Method	TBLASTX:Maize
Start	37	End	221
GI	none	Score	44
Exons	37..87, 41..220, 77..205, 80..199, 87..221		

Seq. No.	10304	Seq. ID	OJ990310_02.9819.C2
Gene No.	21830	Strand	
Start	37	End	311
Name	OJ990310_02.9819.C2.o1.tc	Method	TBLASTX:Cress
Start	41	End	221
GI	none	Score	87
Exons	41..205, 99..221		

Seq. No.	10304	Seq. ID	OJ990310_02.9819.C2
Gene No.	21830	Strand	
Start	37	End	311
Name	OJ990310_02.9819.C2.o1.ts	Method	TBLASTX:Soybean
Start	53	End	311
GI	none	Score	134
Exons	53..235, 87..200, 254..298, 255..311		

Seq. No.	10305	Seq. ID	OJ990310_02.9819.C3
Gene No.	21831	Strand	+
Start	387	End	489
Name	OJ990310_02.9819.C3.o1.gp	Method	AAT/GAP
Start	387	End	489
GI	none	Score	157
Exons	387..489		

Seq. No.	10306	Seq. ID	OJ990310_02.9819.C14
Gene No.	21832	Strand	
Start	328	End	1492
Name	OJ990310_02.9819.C14.o1.tm	Method	TBLASTX:Maize
Start	328	End	956
GI	none	Score	78
Exons	328..411, 336..410, 540..710, 732..803, 849..956		

Seq. No.	10306	Seq. ID	OJ990310_02.9819.C14
Gene No.	21832	Strand	
Start	328	End	1492
Name	OJ990310_02.9819.C14.o1.ts	Method	TBLASTX:Soybean

Start	849	End	1492
GI	none	Score	73
Exons	849..911, 1056..1337, 1058..1336, 1418..1492, 1420..1491		

Seq. No.	10307	Seq. ID	OJ990310_02.9819.C15
Gene No.	21833	Strand	-
Start	5195	End	6959
Name	OJ990310_02.9819.C15.o1.gp	Method	AAT/GAP
Start	5195	End	6959
GI	53424_1.R1084	Score	1938
Exons	5195..5670, 5907..5965, 6081..6239, 6412..6631, 6712..6748, 6878..6959		
GI Descrip.	'4455244/emb|CAB36743.1| 1.0e-20 (AL035523) MtN3-like protein [Arabidopsis thaliana]'		

Seq. No.	10307	Seq. ID	OJ990310_02.9819.C15
Gene No.	21834	Strand	-
Start	7720	End	10909
Name	OJ990310_02.9819.C15.o2.ts	Method	TBLASTX:Soybean
Start	389	End	785
GI	none	Score	172
Exons	389..427, 495..593, 582..785, 616..777		

Seq. No.	10307	Seq. ID	OJ990310_02.9819.C15
Gene No.	21834	Strand	-
Start	7720	End	10909
Name	OJ990310_02.9819.C15.o3.tm	Method	TBLASTX:Maize
Start	607	End	818
GI	none	Score	190
Exons	607..816, 609..818		

Seq. No.	10307	Seq. ID	OJ990310_02.9819.C15
Gene No.	21834	Strand	-
Start	7720	End	10909
Name	OJ990310_02.9819.C15.o1.ts	Method	TBLASTX:Soybean
Start	788	End	1839
GI	none	Score	95
Exons	788..1021, 789..968, 789..1280, 923..1180, 952..1278, 993..1304, 1323..1511, 1344..1469, 1600..1788, 1603..1683, 1642..1839, 1741..1836		

Seq. No.	10307	Seq. ID	OJ990310_02.9819.C15
Gene No.	21834	Strand	-
Start	7720	End	10909
Name	OJ990310_02.9819.C15.o1.tm	Method	TBLASTX:Maize
Start	819	End	1965
GI	none	Score	81
Exons	819..1022, 825..1007, 825..1022, 945..1043, 1080..1235, 1137..1337, 1201..1272, 1312..1533, 1314..1535, 1323..1526, 1386..1451, 1437..1538, 1485..1544, 1534..1905, 1535..1717, 1594..1683, 1642..1845, 1702..1890, 1772..1906, 1942..1965		

Seq. No.	10307	Seq. ID	OJ990310_02.9819.C15
Gene No.	21834	Strand	-
Start	7720	End	10909
Name	OJ990310_02.9819.C15.o1.tc	Method	TBLASTX:Cress
Start	825	End	1893

GI	none	Score	112
Exons	825..977, 921..1367, 923..1231, 952..1365, 1323..1490, 1419..1535, 1485..1523, 1603..1683, 1612..1785, 1738..1839, 1741..1893		

Seq. No.	10307	Seq. ID	OJ990310_02.9819.C15
Gene No.	21834	Strand	-
Start	7720	End	10909
Name	OJ990310_02.9819.C15.o4.ts	Method	TBLASTX:Soybean
Start	1840	End	3613
GI	none	Score	61
Exons	1840..1920, 1939..1983, 2973..3035, 3191..3280, 3195..3263, 3376..3459, 3377..3466, 3378..3467, 3385..3468, 3559..3603, 3560..3613		

Seq. No.	10307	Seq. ID	OJ990310_02.9819.C15
Gene No.	21834	Strand	-
Start	7720	End	10909
Name	OJ990310_02.9819.C15.o3.ts	Method	TBLASTX:Soybean
Start	5493	End	6894
GI	none	Score	36
Exons	5493..5519, 5647..5718, 5681..5719, 5843..5962, 5844..5942, 6081..6242, 6382..6627, 6407..6628, 6711..6752, 6877..6894		

Seq. No.	10307	Seq. ID	OJ990310_02.9819.C15
Gene No.	21834	Strand	-
Start	7720	End	10909
Name	OJ990310_02.9819.C15.o3.tc	Method	TBLASTX:Cress
Start	5617	End	6242
GI	none	Score	60
Exons	5617..5718, 5627..5719, 5846..5962, 5853..5960, 6081..6242		

Seq. No.	10307	Seq. ID	OJ990310_02.9819.C15
Gene No.	21834	Strand	-
Start	7720	End	10909
Name	OJ990310_02.9819.C15.o2.tc	Method	TBLASTX:Cress
Start	6379	End	6631
GI	none	Score	81
Exons	6379..6627, 6382..6624, 6395..6631		

Seq. No.	10307	Seq. ID	OJ990310_02.9819.C15
Gene No.	21834	Strand	-
Start	7720	End	10909
Name	OJ990310_02.9819.C15.o2.tm	Method	TBLASTX:Maize
Start	6407	End	6980
GI	none	Score	111
Exons	6407..6511, 6409..6510, 6490..6630, 6508..6627, 6509..6697, 6711..6773, 6711..6752, 6712..6789, 6846..6980, 6856..6927, 6882..6962		

Seq. No.	10307	Seq. ID	OJ990310_02.9819.C15
Gene No.	21834	Strand	-
Start	7720	End	10909
Name	OJ990310_02.9819.C15.o2.gp	Method	AAT/GAP
Start	7720	End	10909
GI	none	Score	2027
Exons	7720..8577, 10614..10721, 10819..10909		

Seq. No.	10308	Seq. ID	OJ990310_02.9819.C16
Gene No.	21835	Strand	-
Start	151	End	1213
Name	OJ990310_02.9819.C16.o1.gp	Method	AAT/GAP
Start	151	End	1213
GI	38467_1.R1084	Score	1305
Exons	151..625, 917..1213		
GI Descrip.	'5042452/gb|AAD38289.1|AC007789_15 4.0e-30 (AC007789) putative ABA induced plasma membrane protein [Oryza sativa]'		

Seq. No.	10309	Seq. ID	OJ990310_02.9819.C19
Gene No.	21836	Strand	+
Start	5825	End	6176
Name	OJ990310_02.9819.C19.o1.gp	Method	AAT/GAP
Start	5825	End	6176
GI	uC-osflcyp005h08b1	Score	700
Exons	5825..6176		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	10309	Seq. ID	OJ990310_02.9819.C19
Gene No.	21837	Strand	-
Start	9067	End	9333
Name	OJ990310_02.9819.C19.o2.tc	Method	TBLASTX:Cress
Start	5664	End	6438
GI	none	Score	153
Exons	5664..5708, 5722..5904, 5722..5862, 5742..5906, 5902..6048, 6052..6162, 6060..6137, 6124..6438		

Seq. No.	10309	Seq. ID	OJ990310_02.9819.C19
Gene No.	21837	Strand	-
Start	9067	End	9333
Name	OJ990310_02.9819.C19.o1.tm	Method	TBLASTX:Maize
Start	5699	End	7224
GI	none	Score	70
Exons	5699..5818, 6601..6969, 6611..6673, 6615..6968, 6703..6978, 6984..7136, 6985..7125, 7132..7224		

Seq. No.	10309	Seq. ID	OJ990310_02.9819.C19
Gene No.	21837	Strand	-
Start	9067	End	9333
Name	OJ990310_02.9819.C19.o1.ts	Method	TBLASTX:Soybean
Start	5710	End	7125
GI	none	Score	96
Exons	5710..5865, 5926..6024, 6151..6375, 6187..6336, 6204..6338, 6600..6821, 6601..6795, 6841..7125, 6843..6995, 7014..7046		

Seq. No.	10309	Seq. ID	OJ990310_02.9819.C19
Gene No.	21837	Strand	-
Start	9067	End	9333
Name	OJ990310_02.9819.C19.o2.tm	Method	TBLASTX:Maize
Start	5949	End	6183
GI	none	Score	66
Exons	5949..5990, 5950..5994, 5980..6057, 5982..6053, 6039..6173, 6043..6153, 6157..6183		

Seq. No.	10309	Seq. ID	OJ990310_02.9819.C19
Gene No.	21837	Strand	-
Start	9067	End	9333
Name	OJ990310_02.9819.C19.o3.tm	Method	TBLASTX:Maize
Start	6238	End	6465
GI	none	Score	123
Exons	6238..6366, 6238..6366, 6312..6449, 6376..6465, 6376..6459		

Seq. No.	10309	Seq. ID	OJ990310_02.9819.C19
Gene No.	21837	Strand	-
Start	9067	End	9333
Name	OJ990310_02.9819.C19.o1.tc	Method	TBLASTX:Cress
Start	6607	End	7224
GI	none	Score	195
Exons	6607..6795, 6612..6959, 6700..6960, 6844..6960, 6936..7223, 6985..7224		

Seq. No.	10309	Seq. ID	OJ990310_02.9819.C19
Gene No.	21837	Strand	-
Start	9067	End	9333
Name	OJ990310_02.9819.C19.o1.tw	Method	TBLASTX:Wheat
Start	6865	End	7137
GI	none	Score	106
Exons	6865..6972, 6867..6971, 6984..7124, 6985..7137		

Seq. No.	10309	Seq. ID	OJ990310_02.9819.C19
Gene No.	21837	Strand	-
Start	9067	End	9333
Name	OJ990310_02.9819.C19.o2.gp	Method	AAT/GAP
Start	9067	End	9333
GI	uC-osflcyp013a06b1	Score	190
Exons	9067..9193, 9299..9333		
GI Descrip.	'4538905/emb|CAB39642.1| 5.0e-36 (AL049482) putative protein [Arabidopsis thaliana]'		

Seq. No.	10310	Seq. ID	OJ990310_02.9819.C20
Gene No.	21838	Strand	
Start	770	End	2215
Name	OJ990310_02.9819.C20.o6.tw	Method	TBLASTX:Wheat
Start	770	End	1103
GI	none	Score	73
Exons	770..1102, 966..1103		

Seq. No.	10310	Seq. ID	OJ990310_02.9819.C20
Gene No.	21838	Strand	
Start	770	End	2215
Name	OJ990310_02.9819.C20.o1.tm	Method	TBLASTX:Maize
Start	962	End	1549
GI	none	Score	125
Exons	962..1231, 963..1223, 1292..1390, 1293..1388, 1322..1390, 1388..1549, 1395..1541, 1397..1546		

Seq. No.	10310	Seq. ID	OJ990310_02.9819.C20
Gene No.	21838	Strand	
Start	770	End	2215
Name	OJ990310_02.9819.C20.o1.tw	Method	TBLASTX:Wheat
Start	1103	End	1729

GI	none	Score	343
Exons	1103..1729, 1104..1673		
Seq. No.	10310	Seq. ID	OJ990310_02.9819.C20
Gene No.	21838	Strand	
Start	770	End	2215
Name	OJ990310_02.9819.C20.o4.tm	Method	TBLASTX:Maize
Start	1598	End	1890
GI	none	Score	161
Exons	1598..1888, 1602..1787, 1607..1819, 1699..1890		
Seq. No.	10310	Seq. ID	OJ990310_02.9819.C20
Gene No.	21838	Strand	
Start	770	End	2215
Name	OJ990310_02.9819.C20.o2.ts	Method	TBLASTX:Soybean
Start	1688	End	1948
GI	none	Score	54
Exons	1688..1756, 1688..1948, 1842..1943		
Seq. No.	10310	Seq. ID	OJ990310_02.9819.C20
Gene No.	21838	Strand	
Start	770	End	2215
Name	OJ990310_02.9819.C20.o1.tc	Method	TBLASTX:Cress
Start	1712	End	2038
GI	none	Score	64
Exons	1712..1855, 1713..1790, 1856..2038		
Seq. No.	10310	Seq. ID	OJ990310_02.9819.C20
Gene No.	21838	Strand	
Start	770	End	2215
Name	OJ990310_02.9819.C20.o3.tw	Method	TBLASTX:Wheat
Start	1736	End	2215
GI	none	Score	202
Exons	1736..2215, 1737..2120, 1769..2197		
Seq. No.	10310	Seq. ID	OJ990310_02.9819.C20
Gene No.	21839	Strand	
Start	2219	End	2728
Name	OJ990310_02.9819.C20.o2.tw	Method	TBLASTX:Wheat
Start	2219	End	2728
GI	none	Score	303
Exons	2219..2728, 2310..2696		
Seq. No.	10310	Seq. ID	OJ990310_02.9819.C20
Gene No.	21839	Strand	
Start	2219	End	2728
Name	OJ990310_02.9819.C20.o2.tm	Method	TBLASTX:Maize
Start	2303	End	2656
GI	none	Score	168
Exons	2303..2656, 2318..2614, 2388..2654		
Seq. No.	10310	Seq. ID	OJ990310_02.9819.C20
Gene No.	21839	Strand	
Start	2219	End	2728
Name	OJ990310_02.9819.C20.o3.ts	Method	TBLASTX:Soybean
Start	2477	End	2719
GI	none	Score	197

Exons	2477..2719		
Seq. No.	10310	Seq. ID	OJ990310_02.9819.C20
Gene No.	21840	Strand	
Start	2657	End	3566
Name	OJ990310_02.9819.C20.o5.tm	Method	TBLASTX:Maize
Start	2657	End	3010
GI	none	Score	117
Exons	2657..3010, 2757..2999		
Seq. No.	10310	Seq. ID	OJ990310_02.9819.C20
Gene No.	21840	Strand	
Start	2657	End	3566
Name	OJ990310_02.9819.C20.o5.tw	Method	TBLASTX:Wheat
Start	2729	End	3031
GI	none	Score	189
Exons	2729..3031, 2730..2993		
Seq. No.	10310	Seq. ID	OJ990310_02.9819.C20
Gene No.	21840	Strand	
Start	2657	End	3566
Name	OJ990310_02.9819.C20.o1.ts	Method	TBLASTX:Soybean
Start	2744	End	3139
GI	none	Score	116
Exons	2744..3103, 2754..2987, 2962..3099, 3107..3139, 3107..3139		
Seq. No.	10310	Seq. ID	OJ990310_02.9819.C20
Gene No.	21840	Strand	
Start	2657	End	3566
Name	OJ990310_02.9819.C20.o3.tm	Method	TBLASTX:Maize
Start	3026	End	3493
GI	none	Score	43
Exons	3026..3493, 3059..3220, 3296..3406		
Seq. No.	10310	Seq. ID	OJ990310_02.9819.C20
Gene No.	21840	Strand	
Start	2657	End	3566
Name	OJ990310_02.9819.C20.o4.tw	Method	TBLASTX:Wheat
Start	3080	End	3566
GI	none	Score	305
Exons	3080..3562, 3123..3566		
Seq. No.	10310	Seq. ID	OJ990310_02.9819.C20
Gene No.	21840	Strand	
Start	2657	End	3566
Name	OJ990310_02.9819.C20.o4.ts	Method	TBLASTX:Soybean
Start	3212	End	3493
GI	none	Score	66
Exons	3212..3493, 3213..3410		
Seq. No.	10310	Seq. ID	OJ990310_02.9819.C20
Gene No.	21841	Strand	
Start	3737	End	4144
Name	OJ990310_02.9819.C20.o8.tw	Method	TBLASTX:Wheat
Start	3737	End	4091
GI	none	Score	74
Exons	3737..4090, 3773..3907, 3951..4091		

Seq. No.	10310	Seq. ID	OJ990310_02.9819.C20
Gene No.	21841	Strand	
Start	3737	End	4144
Name	OJ990310_02.9819.C20.o6.tm	Method	TBLASTX:Maize
Start	3824	End	4144
GI	none	Score	204
Exons	3824..4144		

Seq. No.	10310	Seq. ID	OJ990310_02.9819.C20
Gene No.	21842	Strand	
Start	4490	End	5030
Name	OJ990310_02.9819.C20.o7.tm	Method	TBLASTX:Maize
Start	4490	End	4786
GI	none	Score	110
Exons	4490..4786, 4599..4769		

Seq. No.	10310	Seq. ID	OJ990310_02.9819.C20
Gene No.	21842	Strand	
Start	4490	End	5030
Name	OJ990310_02.9819.C20.o7.tw	Method	TBLASTX:Wheat
Start	4667	End	5030
GI	none	Score	84
Exons	4667..5026, 4668..4901, 4926..5030		

Seq. No.	10311	Seq. ID	OJ990310_02.9819.C23
Gene No.	21843	Strand	+
Start	20080	End	20461
Name	OJ990310_02.9819.C23.o2.gp	Method	AAT/GAP
Start	20080	End	20461
GI	uC-osflcyp033a04b1	Score	671
Exons	20080..20461		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	10311	Seq. ID	OJ990310_02.9819.C23
Gene No.	21844	Strand	-
Start	4233	End	4612
Name	OJ990310_02.9819.C23.o1.gp	Method	AAT/GAP
Start	4233	End	4612
GI	LIB3433-035-P1-K1-G11	Score	735
Exons	4233..4612		
GI Descrip.	'3075400 8.0e-20 (AC004484) putative thromboxane-A synthase [Arabidopsis thaliana] >gi_3413720 (AC004747) putative thromboxin-A synthase [Arabidopsis thaliana]'		

Seq. No.	10311	Seq. ID	OJ990310_02.9819.C23
Gene No.	21845	Strand	-
Start	25469	End	25763
Name	OJ990310_02.9819.C23.o4.gp	Method	AAT/GAP
Start	25469	End	25763
GI	uC-osrocyp013b01b1	Score	496
Exons	25469..25763		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	10311	Seq. ID	OJ990310_02.9819.C23

Gene No.	21846	Strand	-
Start	31928	End	32019
Name	OJ990310_02.9819.C23.o3.tm	Method	TBLASTX:Maize
Start	3474	End	29518
GI	none	Score	118
Exons	3474..3608, 3477..3608, 3482..3613, 29378..29509, 29379..29513, 29385..29513, 29387..29518		

Seq. No.	10311	Seq. ID	OJ990310_02.9819.C23
Gene No.	21846	Strand	-
Start	31928	End	32019
Name	OJ990310_02.9819.C23.o1.ts	Method	TBLASTX:Soybean
Start	4118	End	30278
GI	none	Score	54
Exons	4118..4147, 4220..4489, 4233..4289, 4392..4484, 23579..23608, 23699..23971, 23700..23966, 29866..29895, 30009..30278, 30010..30273		

Seq. No.	10311	Seq. ID	OJ990310_02.9819.C23
Gene No.	21846	Strand	-
Start	31928	End	32019
Name	OJ990310_02.9819.C23.o1.tm	Method	TBLASTX:Maize
Start	4196	End	30228
GI	none	Score	104
Exons	4196..4438, 4211..4327, 4391..4441, 23685..23909, 23700..23918, 23702..23920, 30006..30125, 30006..30227, 30007..30228		

Seq. No.	10311	Seq. ID	OJ990310_02.9819.C23
Gene No.	21846	Strand	-
Start	31928	End	32019
Name	OJ990310_02.9819.C23.o1.tc	Method	TBLASTX:Cress
Start	4430	End	30536
GI	none	Score	111
Exons	4430..4519, 4511..4741, 4533..4739, 23912..23986, 23993..24223, 23994..24221, 30243..30278, 30306..30536, 30352..30528		

Seq. No.	10311	Seq. ID	OJ990310_02.9819.C23
Gene No.	21846	Strand	-
Start	31928	End	32019
Name	OJ990310_02.9819.C23.o2.tm	Method	TBLASTX:Maize
Start	8019	End	25602
GI	none	Score	109
Exons	8019..8123, 8227..8373, 8231..8419, 8231..8419, 8232..8420, 25081..25185, 25466..25576, 25468..25602		

Seq. No.	10311	Seq. ID	OJ990310_02.9819.C23
Gene No.	21846	Strand	-
Start	31928	End	32019
Name	OJ990310_02.9819.C23.o1.tw	Method	TBLASTX:Wheat
Start	8058	End	25606
GI	none	Score	43
Exons	8058..8096, 8059..8112, 8097..8123, 8231..8371, 8232..8372, 25466..25606, 25468..25602		

Seq. No.	10311	Seq. ID	OJ990310_02.9819.C23
Gene No.	21846	Strand	-
Start	31928	End	32019

Name	OJ990310_02.9819.C23.o5.gp	Method	AAT/GAP
Start	31928	End	32019
GI	5867_1.R1084	Score	134
Exons	31928..32019		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		

Seq. No.	10312	Seq. ID	OJ990310_02.9819.C31
Gene No.	21847	Strand	+
Start	296	End	738
Name	OJ990310_02.9819.C31.o1.gp	Method	AAT/GAP
Start	296	End	738
GI	none	Score	746
Exons	296..738		

Seq. No.	10313	Seq. ID	OJ990310_02.9819.C32
Gene No.	21848	Strand	+
Start	1173	End	1271
Name	OJ990310_02.9819.C32.o1.gp	Method	AAT/GAP
Start	1173	End	1271
GI	38467_1.R1084	Score	167
Exons	1173..1271		
GI Descrip.	'5042452/gb|AAD38289.1|AC007789_15 4.0e-30 (AC007789) putative ABA induced plasma membrane protein [Oryza sativa]'		

Seq. No.	10314	Seq. ID	OJ990310_02.9819.C40
Gene No.	21849	Strand	-
Start	8937	End	9363
Name	OJ990310_02.9819.C40.o1.gp	Method	AAT/GAP
Start	8937	End	9363
GI	4878407	Score	648
Exons	8937..9363		
GI Descrip.	6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12		

Seq. No.	10314	Seq. ID	OJ990310_02.9819.C40
Gene No.	21850	Strand	
Start	14278	End	17736
Name	OJ990310_02.9819.C40.o1.tc	Method	TBLASTX:Cress
Start	14278	End	17680
GI	none	Score	67
Exons	14278..14367, 15251..15292, 15296..15343, 15511..15969, 15540..15734, 15798..15968, 16295..16477, 16296..16478, 16629..16742, 16664..16741, 16843..17064, 16844..17065, 17200..17322, 17204..17335, 17420..17446, 17513..17680		

Seq. No.	10314	Seq. ID	OJ990310_02.9819.C40
Gene No.	21850	Strand	
Start	14278	End	17736
Name	OJ990310_02.9819.C40.o2.ts	Method	TBLASTX:Soybean
Start	15250	End	15774
GI	none	Score	54

Exons	15250..15288, 15251..15289, 15296..15358, 15298..15363, 15448..15483, 15538..15687, 15540..15653, 15619..15774		
Seq. No.	10314	Seq. ID	OJ990310_02.9819.C40
Gene No.	21850	Strand	
Start	14278	End	17736
Name	OJ990310_02.9819.C40.o1.tw	Method	TBLASTX:Wheat
Start	15527	End	15969
GI	none	Score	34
Exons	15527..15568, 15691..15774, 15693..15734, 15757..15969, 15798..15968, 15904..15969		
Seq. No.	10314	Seq. ID	OJ990310_02.9819.C40
Gene No.	21850	Strand	
Start	14278	End	17736
Name	OJ990310_02.9819.C40.o1.tm	Method	TBLASTX:Maize
Start	15694	End	17680
GI	none	Score	235
Exons	15694..15930, 15696..15929, 15922..15969, 15929..15952, 16296..16511, 16614..16742, 16664..16741, 16840..17064, 16844..17065, 16927..17067, 17036..17068, 17197..17334, 17204..17320, 17405..17443, 17455..17559, 17456..17533, 17600..17680		
Seq. No.	10314	Seq. ID	OJ990310_02.9819.C40
Gene No.	21850	Strand	
Start	14278	End	17736
Name	OJ990310_02.9819.C40.o1.ts	Method	TBLASTX:Soybean
Start	15775	End	17736
GI	none	Score	192
Exons	15775..15969, 15798..15968, 16298..16468, 16299..16523, 16620..16742, 16844..16963, 16963..17064, 16964..17065, 17159..17326, 17188..17319, 17414..17437, 17461..17565, 17462..17614, 17555..17614, 17654..17680, 17699..17731, 17704..17736		
Seq. No.	10315	Seq. ID	OJ990310_02.9819.C42
Gene No.	21851	Strand	-
Start	62	End	740
Name	OJ990310_02.9819.C42.o1.gp	Method	AAT/GAP
Start	62	End	740
GI	53424_1.R1084	Score	719
Exons	62..203, 376..595, 676..740		
GI Descrip.	'4455244/emb|CAB36743.1| 1.0e-20 (AL035523) MtN3-like protein [Arabidopsis thaliana]'		
Seq. No.	10315	Seq. ID	OJ990310_02.9819.C42
Gene No.	21851	Strand	-
Start	62	End	740
Name	OJ990310_02.9819.C42.o1.ts	Method	TBLASTX:Soybean
Start	63	End	716
GI	none	Score	119
Exons	63..206, 346..591, 371..592, 675..716		
Seq. No.	10315	Seq. ID	OJ990310_02.9819.C42
Gene No.	21851	Strand	-
Start	62	End	740

Name	OJ990310_02.9819.C42.o1.tc	Method	TBLASTX:Cress
Start	343	End	595
GI	none	Score	81
Exons	343..591, 346..588, 359..595		

Seq. No.	10315	Seq. ID	OJ990310_02.9819.C42
Gene No.	21851	Strand	-
Start	62	End	740
Name	OJ990310_02.9819.C42.o1.tm	Method	TBLASTX:Maize
Start	371	End	735
GI	none	Score	111
Exons	371..475, 373..474, 453..551, 454..594, 472..591, 473..661, 675..716, 676..735		

Seq. No.	10316	Seq. ID	OJ990310_02.9819.C43
Gene No.	21852	Strand	+
Start	1092	End	2179
Name	OJ990310_02.9819.C43.o1.gp	Method	AAT/GAP
Start	1092	End	2179
GI	5038579	Score	1304
Exons	1092..1325, 1509..1728, 1819..1864, 1970..2179		
GI Descrip.	5042452/gb|AAD38289.1|AC007789_15 4.0e-30 (AC007789) putative ABA induced plasma membrane protein [Oryza sativa]		

Seq. No.	10316	Seq. ID	OJ990310_02.9819.C43
Gene No.	21852	Strand	+
Start	1092	End	2179
Name	OJ990310_02.9819.C43.o2.tm	Method	TBLASTX:Maize
Start	1195	End	1327
GI	none	Score	207
Exons	1195..1326, 1196..1327		

Seq. No.	10316	Seq. ID	OJ990310_02.9819.C43
Gene No.	21852	Strand	+
Start	1092	End	2179
Name	OJ990310_02.9819.C43.o1.tm	Method	TBLASTX:Maize
Start	1540	End	1732
GI	none	Score	48
Exons	1540..1731, 1541..1573, 1541..1732, 1635..1670, 1640..1729, 1672..1731		

Seq. No.	10317	Seq. ID	OJ990310_02.9819.C46
Gene No.	21853	Strand	
Start	887	End	1027
Name	OJ990310_02.9819.C46.o1.tm	Method	TBLASTX:Maize
Start	887	End	1027
GI	none	Score	184
Exons	887..1018, 895..1017, 896..1027		

Seq. No.	10318	Seq. ID	OJ990310_02.9819.C47
Gene No.	21854	Strand	
Start	2568	End	3676
Name	OJ990310_02.9819.C47.o1.ts	Method	TBLASTX:Soybean
Start	2568	End	3176
GI	none	Score	132
Exons	2568..2624, 2707..2982, 2708..2980, 3108..3176		

Seq. No.	10318	Seq. ID	OJ990310_02.9819.C47
Gene No.	21854	Strand	
Start	2568	End	3676
Name	OJ990310_02.9819.C47.o1.tm	Method	TBLASTX:Maize
Start	3063	End	3676
GI	none	Score	58
Exons	3063..3146, 3063..3170, 3183..3287, 3235..3273, 3312..3482, 3313..3429, 3572..3676		

Seq. No.	10318	Seq. ID	OJ990310_02.9819.C47
Gene No.	21854	Strand	
Start	2568	End	3676
Name	OJ990310_02.9819.C47.o1.tc	Method	TBLASTX:Cress
Start	3202	End	3658
GI	none	Score	110
Exons	3202..3390, 3204..3392, 3572..3658		

Seq. No.	10318	Seq. ID	OJ990310_02.9819.C47
Gene No.	21854	Strand	
Start	2568	End	3676
Name	OJ990310_02.9819.C47.o2.ts	Method	TBLASTX:Soybean
Start	3234	End	3658
GI	none	Score	52
Exons	3234..3482, 3235..3288, 3361..3480, 3584..3658, 3588..3653		

Seq. No.	10319	Seq. ID	OJ990310_02.9819.C50
Gene No.	21855	Strand	+
Start	404	End	798
Name	OJ990310_02.9819.C50.o1.gp	Method	AAT/GAP
Start	404	End	798
GI	uC-osflM202084e07a1	Score	772
Exons	404..798		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	10319	Seq. ID	OJ990310_02.9819.C50
Gene No.	21856	Strand	-
Start	4291	End	4574
Name	OJ990310_02.9819.C50.o1.tm	Method	TBLASTX:Maize
Start	1085	End	4568
GI	none	Score	118
Exons	1085..1171, 1415..1612, 1422..1601, 1598..1819, 1680..1820, 2235..2312, 2327..2374, 2576..2686, 2580..2687, 2591..2686, 2774..2875, 2787..2873, 2792..2893, 2980..3048, 2981..3049, 3037..3078, 3038..3103, 3158..3205, 3159..3206, 3278..3388, 3283..3390, 3284..3388, 3286..3390, 3534..3611, 3534..3611, 3535..3612, 3652..3957, 3690..3959, 3690..3980, 4047..4148, 4048..4155, 4050..4148, 4266..4379, 4269..4328, 4270..4380, 4270..4386, 4419..4562, 4420..4563, 4438..4563, 4500..4568		

Seq. No.	10319	Seq. ID	OJ990310_02.9819.C50
Gene No.	21856	Strand	-
Start	4291	End	4574
Name	OJ990310_02.9819.C50.o1.ts	Method	TBLASTX:Soybean
Start	1085	End	4386
GI	none	Score	82
Exons	1085..1165, 1415..1783, 1422..1607, 2977..3081, 2980..3081,		

2987..3103, 3161..3205, 3278..3388, 3283..3390, 3284..3370, 3534..3611, 3688..3885, 3689..3886, 3690..3893, 3690..3896, 3691..3894, 3879..3965, 4053..4148, 4054..4155, 4268..4378, 4270..4386

Seq. No.	10319	Seq. ID	OJ990310_02.9819.C50
Gene No.	21856	Strand	-
Start	4291	End	4574
Name	OJ990310_02.9819.C50.o2.tc	Method	TBLASTX:Cress
Start	2977	End	3390
GI	none	Score	115
Exons	2977..3081, 2981..3103, 3161..3205, 3283..3390		

Seq. No.	10319	Seq. ID	OJ990310_02.9819.C50
Gene No.	21856	Strand	-
Start	4291	End	4574
Name	OJ990310_02.9819.C50.o1.tw	Method	TBLASTX:Wheat
Start	3156	End	3935
GI	none	Score	85
Exons	3156..3212, 3157..3201, 3158..3205, 3278..3388, 3283..3390, 3284..3388, 3534..3611, 3534..3611, 3535..3612, 3652..3921, 3690..3935, 3691..3921		

Seq. No.	10319	Seq. ID	OJ990310_02.9819.C50
Gene No.	21856	Strand	-
Start	4291	End	4574
Name	OJ990310_02.9819.C50.o1.tc	Method	TBLASTX:Cress
Start	3720	End	4082
GI	none	Score	180
Exons	3720..3956, 3721..3930, 3739..3957, 3845..3961, 4053..4082		

Seq. No.	10319	Seq. ID	OJ990310_02.9819.C50
Gene No.	21856	Strand	-
Start	4291	End	4574
Name	OJ990310_02.9819.C50.o2.gp	Method	AAT/GAP
Start	4291	End	4574
GI	uC-osflcyp120f02b1	Score	535
Exons	4291..4574		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 1.0e-30 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	10320	Seq. ID	OJ990310_02.9819.C51
Gene No.	21857	Strand	-
Start	401	End	496
Name	OJ990310_02.9819.C51.o1.gp	Method	AAT/GAP
Start	401	End	496
GI	12651_2.R1084	Score	118
Exons	401..496		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 1.0e-34 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	10321	Seq. ID	OJ990310_02.9819.C55
Gene No.	21858	Strand	
Start	638	End	1240
Name	OJ990310_02.9819.C55.o2.tw	Method	TBLASTX:Wheat
Start	638	End	1240
GI	none	Score	73

Exons	638..763, 642..764, 930..1100, 938..1240, 957..1235		
Seq. No.	10321	Seq. ID	OJ990310_02.9819.C55
Gene No.	21859	Strand	
Start	1241	End	1759
Name	OJ990310_02.9819.C55.o1.tw	Method	TBLASTX:Wheat
Start	1241	End	1622
GI	none	Score	233
Exons	1241..1621, 1272..1622		
Seq. No.	10321	Seq. ID	OJ990310_02.9819.C55
Gene No.	21859	Strand	
Start	1241	End	1759
Name	OJ990310_02.9819.C55.o1.tm	Method	TBLASTX:Maize
Start	1416	End	1759
GI	none	Score	217
Exons	1416..1550, 1436..1759, 1449..1730		
Seq. No.	10322	Seq. ID	OJ990310_02.9819.C61
Gene No.	21860	Strand	
Start	169	End	735
Name	OJ990310_02.9819.C61.o1.tw	Method	TBLASTX:Wheat
Start	169	End	735
GI	none	Score	309
Exons	169..582, 249..584, 562..681, 584..697, 585..695, 670..735		
Seq. No.	10323	Seq. ID	OJ990310_02.9819.C62
Gene No.	21861	Strand	-
Start	148	End	383
Name	OJ990310_02.9819.C62.o1.gp	Method	AAT/GAP
Start	148	End	383
GI	5038579	Score	433
Exons	148..383		
GI Descrip.	5042452/gb|AAD38289.1|AC007789_15 4.0e-30 (AC007789) putative ABA induced plasma membrane protein [Oryza sativa]		
Seq. No.	10323	Seq. ID	OJ990310_02.9819.C62
Gene No.	21861	Strand	-
Start	148	End	383
Name	OJ990310_02.9819.C62.o1.tm	Method	TBLASTX:Maize
Start	148	End	280
GI	none	Score	165
Exons	148..279, 149..280		
Seq. No.	10324	Seq. ID	OJ990310_02.9819.C64
Gene No.	21862	Strand	
Start	508	End	911
Name	OJ990310_02.9819.C64.o1.tm	Method	TBLASTX:Maize
Start	508	End	911
GI	none	Score	144
Exons	508..612, 720..911, 722..850		
Seq. No.	10324	Seq. ID	OJ990310_02.9819.C64
Gene No.	21862	Strand	
Start	508	End	911
Name	OJ990310_02.9819.C64.o1.tw	Method	TBLASTX:Wheat
Start	527	End	877

GI	none	Score	48
Exons	527..616, 547..585, 586..612, 684..863, 722..877, 722..850		

Seq. No.	10325	Seq. ID	OJ990310_02.9819.C72
Gene No.	21863	Strand	-
Start	205	End	1113
Name	OJ990310_02.9819.C72.o1.gp	Method	AAT/GAP
Start	205	End	1113
GI	uC-osflcyp120f02b1	Score	878
Exons	205..488, 925..1113		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 1.0e-30 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	10325	Seq. ID	OJ990310_02.9819.C72
Gene No.	21864	Strand	-
Start	1788	End	4429
Name	OJ990310_02.9819.C72.o2.tm	Method	TBLASTX:Maize
Start	180	End	482
GI	none	Score	103
Exons	180..293, 184..294, 184..300, 311..382, 334..477, 352..477, 414..482		

Seq. No.	10325	Seq. ID	OJ990310_02.9819.C72
Gene No.	21864	Strand	-
Start	1788	End	4429
Name	OJ990310_02.9819.C72.o2.gp	Method	AAT/GAP
Start	1788	End	4293
GI	12651_2.R1084	Score	1258
Exons	1788..2017, 2132..2190, 2453..2544, 2629..2744, 3184..3258, 3585..3650, 3945..4001, 4120..4169, 4257..4293		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 1.0e-34 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	10325	Seq. ID	OJ990310_02.9819.C72
Gene No.	21864	Strand	-
Start	1788	End	4429
Name	OJ990310_02.9819.C72.o1.tm	Method	TBLASTX:Maize
Start	2131	End	4429
GI	none	Score	101
Exons	2131..2190, 2135..2194, 2444..2545, 2448..2546, 2448..2546, 2503..2547, 2623..2745, 2625..2747, 2628..2744, 3170..3256, 3175..3261, 3182..3256, 3184..3261, 3582..3650, 3583..3651, 3584..3652, 3585..3653, 3936..4001, 3939..4001, 4112..4168, 4114..4170, 4117..4170, 4251..4391, 4256..4405, 4258..4404, 4402..4428, 4403..4429		

Seq. No.	10325	Seq. ID	OJ990310_02.9819.C72
Gene No.	21864	Strand	-
Start	1788	End	4429
Name	OJ990310_02.9819.C72.o1.ts	Method	TBLASTX:Soybean
Start	2445	End	4372
GI	none	Score	84
Exons	2445..2546, 2454..2546, 2688..2744, 3175..3261, 3182..3256, 3582..3650, 3942..3998, 4114..4170, 4258..4371, 4259..4372		

Seq. No.	10326	Seq. ID	OJ990310_02.9819.C74
Gene No.	21865	Strand	

Start	1190	End	1579
Name	OJ990310_02.9819.C74.o1.tw	Method	TBLASTX:Wheat
Start	1190	End	1579
GI	none	Score	54
Exons	1190..1234, 1241..1339, 1258..1296, 1322..1579, 1339..1545		

Seq. No.	10326	Seq. ID	OJ990310_02.9819.C74
Gene No.	21865	Strand	
Start	1190	End	1579
Name	OJ990310_02.9819.C74.o1.tm	Method	TBLASTX:Maize
Start	1193	End	1477
GI	none	Score	193
Exons	1193..1465, 1229..1477, 1345..1476		

Seq. No.	10327	Seq. ID	OJ990310_02.9819.C75
Gene No.	21866	Strand	
Start	242	End	770
Name	OJ990310_02.9819.C75.o3.tm	Method	TBLASTX:Maize
Start	242	End	410
GI	none	Score	175
Exons	242..409, 246..410		

Seq. No.	10327	Seq. ID	OJ990310_02.9819.C75
Gene No.	21866	Strand	
Start	242	End	770
Name	OJ990310_02.9819.C75.o1.tw	Method	TBLASTX:Wheat
Start	284	End	746
GI	none	Score	578
Exons	284..739, 285..746, 285..740		

Seq. No.	10327	Seq. ID	OJ990310_02.9819.C75
Gene No.	21866	Strand	
Start	242	End	770
Name	OJ990310_02.9819.C75.o1.ts	Method	TBLASTX:Soybean
Start	324	End	689
GI	none	Score	118
Exons	324..548, 555..689		

Seq. No.	10327	Seq. ID	OJ990310_02.9819.C75
Gene No.	21866	Strand	
Start	242	End	770
Name	OJ990310_02.9819.C75.o1.tm	Method	TBLASTX:Maize
Start	414	End	770
GI	none	Score	383
Exons	414..770, 449..760, 654..770		

Seq. No.	10327	Seq. ID	OJ990310_02.9819.C75
Gene No.	21867	Strand	
Start	747	End	1023
Name	OJ990310_02.9819.C75.o2.tw	Method	TBLASTX:Wheat
Start	747	End	1023
GI	none	Score	158
Exons	747..905, 755..886, 904..1023, 906..1022		

Seq. No.	10327	Seq. ID	OJ990310_02.9819.C75
Gene No.	21867	Strand	
Start	747	End	1023

Name	OJ990310_02.9819.C75.o2.tm	Method	TBLASTX:Maize
Start	798	End	1023
GI	none	Score	90
Exons	798..896, 832..897, 904..1023, 906..1022		

Seq. No.	10328	Seq. ID	OJ990310_02.9819.C81
Gene No.	21868	Strand	
Start	63	End	374
Name	OJ990310_02.9819.C81.o2.tw	Method	TBLASTX:Wheat
Start	63	End	374
GI	none	Score	118
Exons	63..374, 64..279, 81..356		

Seq. No.	10328	Seq. ID	OJ990310_02.9819.C81
Gene No.	21869	Strand	
Start	378	End	715
Name	OJ990310_02.9819.C81.o1.tw	Method	TBLASTX:Wheat
Start	378	End	714
GI	none	Score	140
Exons	378..671, 468..671, 469..687, 655..714, 673..714		

Seq. No.	10328	Seq. ID	OJ990310_02.9819.C81
Gene No.	21869	Strand	
Start	378	End	715
Name	OJ990310_02.9819.C81.o1.tm	Method	TBLASTX:Maize
Start	462	End	715
GI	none	Score	75
Exons	462..671, 547..687, 673..714, 674..715		

Seq. No.	10329	Seq. ID	OJ990310_02.9819.C87
Gene No.	21870	Strand	
Start	3953	End	4217
Name	OJ990310_02.9819.C87.o1.tm	Method	TBLASTX:Maize
Start	3953	End	4217
GI	none	Score	45
Exons	3953..3982, 3983..4165, 4099..4164, 4149..4217, 4179..4217		

Seq. No.	10330	Seq. ID	OJ990310_02.9819.C88
Gene No.	21871	Strand	
Start	135	End	646
Name	OJ990310_02.9819.C88.o1.tm	Method	TBLASTX:Maize
Start	135	End	646
GI	none	Score	62
Exons	135..185, 137..181, 223..282, 228..284, 270..446, 270..398, 476..646		

Seq. No.	10331	Seq. ID	OJ990310_02.9819.C89
Gene No.	21872	Strand	
Start	140	End	644
Name	OJ990310_02.9819.C89.o1.tm	Method	TBLASTX:Maize
Start	140	End	521
GI	none	Score	92
Exons	140..238, 174..239, 246..521, 248..502		

Seq. No.	10331	Seq. ID	OJ990310_02.9819.C89
Gene No.	21872	Strand	
Start	140	End	644

Name	OJ990310_02.9819.C89.o1.tw	Method	TBLASTX:Wheat
Start	196	End	614
GI	none	Score	58
Exons	196..243, 197..247, 231..473, 248..589, 249..614		

Seq. No.	10331	Seq. ID	OJ990310_02.9819.C89
Gene No.	21872	Strand	
Start	140	End	644
Name	OJ990310_02.9819.C89.o1.ts	Method	TBLASTX:Soybean
Start	273	End	644
GI	none	Score	276
Exons	273..644, 290..433		

Seq. No.	10332	Seq. ID	OJ990310_02.9819.C90
Gene No.	21873	Strand	
Start	69	End	603
Name	OJ990310_02.9819.C90.o1.tw	Method	TBLASTX:Wheat
Start	69	End	345
GI	none	Score	50
Exons	69..158, 70..345, 71..307		

Seq. No.	10332	Seq. ID	OJ990310_02.9819.C90
Gene No.	21873	Strand	
Start	69	End	603
Name	OJ990310_02.9819.C90.o1.tm	Method	TBLASTX:Maize
Start	70	End	507
GI	none	Score	149
Exons	70..342, 328..507		

Seq. No.	10332	Seq. ID	OJ990310_02.9819.C90
Gene No.	21873	Strand	
Start	69	End	603
Name	OJ990310_02.9819.C90.o1.ts	Method	TBLASTX:Soybean
Start	70	End	453
GI	none	Score	112
Exons	70..417, 71..301, 88..312, 276..413, 340..414, 421..453, 421..453		

Seq. No.	10332	Seq. ID	OJ990310_02.9819.C90
Gene No.	21873	Strand	
Start	69	End	603
Name	OJ990310_02.9819.C90.o2.tw	Method	TBLASTX:Wheat
Start	346	End	603
GI	none	Score	90
Exons	346..516, 363..488, 373..489, 392..520, 520..543, 540..602, 544..603		

Seq. No.	10333	Seq. ID	OJ990310_02.9819.C92
Gene No.	21874	Strand	
Start	140	End	538
Name	OJ990310_02.9819.C92.o2.tw	Method	TBLASTX:Wheat
Start	140	End	538
GI	none	Score	56
Exons	140..229, 150..218, 263..514, 273..449, 290..538		

Seq. No.	10333	Seq. ID	OJ990310_02.9819.C92
Gene No.	21875	Strand	

Start	893	End	1319
Name	OJ990310_02.9819.C92.o1.tm	Method	TBLASTX:Maize
Start	893	End	1253
GI	none	Score	46
Exons	893..976, 894..932, 995..1249, 1002..1253		

Seq. No.	10333	Seq. ID	OJ990310_02.9819.C92
Gene No.	21875	Strand	
Start	893	End	1319
Name	OJ990310_02.9819.C92.o1.tw	Method	TBLASTX:Wheat
Start	896	End	1253
GI	none	Score	114
Exons	896..1252, 1089..1253		

Seq. No.	10333	Seq. ID	OJ990310_02.9819.C92
Gene No.	21875	Strand	
Start	893	End	1319
Name	OJ990310_02.9819.C92.o1.ts	Method	TBLASTX:Soybean
Start	947	End	1319
GI	none	Score	60
Exons	947..1252, 1254..1319		

Seq. No.	10334	Seq. ID	OJ990310_02.9819.C94
Gene No.	21876	Strand	
Start	522	End	710
Name	OJ990310_02.9819.C94.o1.ts	Method	TBLASTX:Soybean
Start	522	End	710
GI	none	Score	78
Exons	522..710, 569..706		

Seq. No.	10335	Seq. ID	OJ990310_02.9819.C97
Gene No.	21877	Strand	
Start	378	End	728
Name	OJ990310_02.9819.C97.o1.ts	Method	TBLASTX:Soybean
Start	378	End	710
GI	none	Score	252
Exons	378..710, 412..696		

Seq. No.	10335	Seq. ID	OJ990310_02.9819.C97
Gene No.	21877	Strand	
Start	378	End	728
Name	OJ990310_02.9819.C97.o1.tm	Method	TBLASTX:Maize
Start	468	End	728
GI	none	Score	281
Exons	468..728, 469..696, 471..728		

Seq. No.	10336	Seq. ID	OJ990310_02.9819.C98
Gene No.	21878	Strand	
Start	61	End	373
Name	OJ990310_02.9819.C98.o1.tw	Method	TBLASTX:Wheat
Start	61	End	373
GI	none	Score	89
Exons	61..372, 68..178, 200..373		

Seq. No.	10337	Seq. ID	OJ990310_08.9819.C4
Gene No.	21879	Strand	-
Start	254	End	274

Name	OJ990310_08.9819.C4.o1.gs	Method	GENSCAN
Start	254	End	274
GI	none	Score	.42
Exons	254..274		

Seq. No.	10338	Seq. ID	OJ990310_08.9819.C7
Gene No.	21880	Strand	+
Start	489	End	589
Name	OJ990310_08.9819.C7.o1.gp	Method	AAT/GAP
Start	489	End	589
GI	LIB3477-003-P1-K1-E9	Score	90
Exons	489..589		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	10338	Seq. ID	OJ990310_08.9819.C7
Gene No.	21881	Strand	-
Start	250	End	428
Name	OJ990310_08.9819.C7.o1.gs	Method	GENSCAN
Start	250	End	428
GI	none	Score	1
Exons	250..428		

Seq. No.	10339	Seq. ID	OJ990310_08.9819.C8
Gene No.	21882	Strand	-
Start	465	End	584
Name	OJ990310_08.9819.C8.o1.gs	Method	GENSCAN
Start	465	End	584
GI	none	Score	.64
Exons	465..584		

Seq. No.	10340	Seq. ID	OJ990310_08.9819.C9
Gene No.	21883	Strand	+
Start	389	End	455
Name	OJ990310_08.9819.C9.o1.gs	Method	GENSCAN
Start	389	End	455
GI	none	Score	.52
Exons	389..455		

Seq. No.	10341	Seq. ID	OJ990310_08.9819.C10
Gene No.	21884	Strand	+
Start	1	End	572
Name	OJ990310_08.9819.C10.o1.np	Method	AAT/NAP
Start	1	End	541
GI	2204062	Score	192
Exons	1..65, 237..311, 391..541		
GI Descrip.	(AB002466) Rat NBP60 [Rattus norvegicus]		

Seq. No.	10341	Seq. ID	OJ990310_08.9819.C10
Gene No.	21884	Strand	+
Start	1	End	572
Name	OJ990310_08.9819.C10.o1.tm	Method	TBLASTX:Maize
Start	232	End	572
GI	none	Score	127
Exons	232..306, 232..306, 237..311, 237..311, 376..540, 377..544, 378..572		

Seq. No.	10341	Seq. ID	OJ990310_08.9819.C10
Gene No.	21884	Strand	+
Start	1	End	572
Name	OJ990310_08.9819.C10.o1.ts	Method	TBLASTX:Soybean
Start	232	End	544
GI	none	Score	116
Exons	232..306, 237..311, 376..489,	377..475,	419..544, 445..537

Seq. No.	10342	Seq. ID	OJ990310_08.9819.C11
Gene No.	21885	Strand	-
Start	317	End	447
Name	OJ990310_08.9819.C11.o1.gs	Method	GENSCAN
Start	317	End	447
GI	none	Score	.58
Exons	317..447		

Seq. No.	10343	Seq. ID	OJ990310_08.9819.C12
Gene No.	21886	Strand	-
Start	231	End	321
Name	OJ990310_08.9819.C12.o1.np	Method	AAT/NAP
Start	231	End	321
GI	5852084	Score	76
Exons	231..321		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	10344	Seq. ID	OJ990310_08.9819.C13
Gene No.	21887	Strand	-
Start	1	End	612
Name	OJ990310_08.9819.C13.o1.np	Method	AAT/NAP
Start	1	End	612
GI	6498441	Score	383
Exons	1..324, 588..612		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	10344	Seq. ID	OJ990310_08.9819.C13
Gene No.	21887	Strand	-
Start	1	End	612
Name	OJ990310_08.9819.C13.o1.tw	Method	TBLASTX:Wheat
Start	18	End	434
GI	none	Score	150
Exons	18..239, 35..421, 41..433,	297..434	

Seq. No.	10344	Seq. ID	OJ990310_08.9819.C13
Gene No.	21887	Strand	-
Start	1	End	612
Name	OJ990310_08.9819.C13.o1.gs	Method	GENSCAN
Start	29	End	511
GI	none	Score	.64
Exons	29..398, 411..511		

Seq. No.	10345	Seq. ID	OJ990310_08.9819.C15
Gene No.	21888	Strand	+
Start	62	End	2149
Name	OJ990310_08.9819.C15.o1.gs	Method	GENSCAN

Start	62	End	2149
GI	none	Score	.78
Exons	62..140, 376..423, 760..806, 1326..1681, 1798..1912, 1976..2149		

Seq. No.	10345	Seq. ID	OJ990310_08.9819.C15
Gene No.	21889	Strand	+
Start	5169	End	12535
Name	OJ990310_08.9819.C15.o3.gs	Method	GENSCAN
Start	5169	End	12526
GI	none	Score	.85
Exons	5169..5219, 5622..5748, 6306..6436, 6790..7363, 7432..7586, 7664..7747, 7859..7984, 8074..8133, 8275..8328, 8417..8509, 9134..9229, 9447..9592, 9820..9966, 10054..10183, 10254..11168, 11241..11339, 11419..12168, 12278..12526		

Seq. No.	10345	Seq. ID	OJ990310_08.9819.C15
Gene No.	21889	Strand	+
Start	5169	End	12535
Name	OJ990310_08.9819.C15.o1.np	Method	AAT/NAP
Start	10140	End	12535
GI	4938504	Score	818
Exons	10140..10183, 10254..11090, 11241..11346, 11444..12168, 12278..12535		
GI Descrip.	(AL078465) putative protein [Arabidopsis thaliana]		

Seq. No.	10345	Seq. ID	OJ990310_08.9819.C15
Gene No.	21890	Strand	+
Start	26683	End	34756
Name	OJ990310_08.9819.C15.o7.gp	Method	AAT/GAP
Start	26585	End	27392
GI	5003803	Score	732
Exons	26585..26771, 26873..26948, 27179..27253, 27329..27392		

Seq. No.	10345	Seq. ID	OJ990310_08.9819.C15
Gene No.	21890	Strand	+
Start	26683	End	34756
Name	OJ990310_08.9819.C15.o6.gs	Method	GENSCAN
Start	26683	End	33814
GI	none	Score	.78
Exons	26683..26771, 26873..26948, 27179..27253, 27349..27514, 27608..27701, 28552..28637, 29484..29702, 29834..29981, 30812..30932, 31523..31648, 31733..32015, 32263..32359, 32465..32621, 32959..33102, 33184..33252, 33665..33814		

Seq. No.	10345	Seq. ID	OJ990310_08.9819.C15
Gene No.	21890	Strand	+
Start	26683	End	34756
Name	OJ990310_08.9819.C15.o4.np	Method	AAT/NAP
Start	26826	End	33998
GI	586059	Score	1387
Exons	26826..26956, 27163..27253, 27349..27514, 27608..27711, 28562..28637, 28958..29035, 31497..31648, 31733..32015, 32263..32359, 32465..32621, 32959..33102, 33184..33252, 33665..33808, 33907..33998		
GI Descrip.	LYSYL-TRNA SYNTHETASE (LYSINE--TRNA LIGASE) (LYSRS) gi|543180|pir||S43187 lysine--tRNA ligase (EC 6.1.1.6) - long-tailed hamster gi|469122|emb|CAA83505| (Z31711) Lysyl tRNA		

Synthetase [Cricetulus longicaudatus]

Seq. No.	10345	Seq. ID	OJ990310_08.9819.C15
Gene No.	21890	Strand	+
Start	26683	End	34756
Name	OJ990310_08.9819.C15.o8.gp	Method	AAT/GAP
Start	31548	End	32523
GI	LIB3477-004-P1-K1-F7	Score	1012
Exons	31548..31648, 31733..32015, 32263..32359, 32465..32523		
GI Descrip.	'4325324/gb|AAD17333| 9.0e-85 (AF125574) lysyl-tRNA synthetase; LysRS [Arabidopsis thaliana] >gi_6041823_gb_AAF02138.1_AC009918_10 (AC009918) lysyl-tRNA synthetase [Arabidopsis thaliana]'		

Seq. No.	10345	Seq. ID	OJ990310_08.9819.C15
Gene No.	21890	Strand	+
Start	26683	End	34756
Name	OJ990310_08.9819.C15.o9.gp	Method	AAT/GAP
Start	32988	End	34756
GI	62345_1.R1084	Score	1046
Exons	32988..33102, 33184..33252, 33665..33808, 33907..33977, 34585..34756		
GI Descrip.	'4325324/gb|AAD17333| 4.0e-59 (AF125574) lysyl-tRNA synthetase; LysRS [Arabidopsis thaliana] >gi_6041823_gb_AAF02138.1_AC009918_10 (AC009918) lysyl-tRNA synthetase [Arabidopsis thaliana]'		

Seq. No.	10345	Seq. ID	OJ990310_08.9819.C15
Gene No.	21891	Strand	-
Start	2437	End	3577
Name	OJ990310_08.9819.C15.o2.gs	Method	GENSCAN
Start	2437	End	3577
GI	none	Score	.66
Exons	2437..2607, 2878..3019, 3206..3275, 3538..3577		

Seq. No.	10345	Seq. ID	OJ990310_08.9819.C15
Gene No.	21892	Strand	-
Start	12870	End	13162
Name	OJ990310_08.9819.C15.o1.gp	Method	AAT/GAP
Start	12870	End	13162
GI	none	Score	562
Exons	12870..13162		

Seq. No.	10345	Seq. ID	OJ990310_08.9819.C15
Gene No.	21893	Strand	-
Start	13133	End	18178
Name	OJ990310_08.9819.C15.o4.gs	Method	GENSCAN
Start	13133	End	18068
GI	none	Score	.67
Exons	13133..13523, 14196..14639, 15578..15634, 15723..15823, 15917..15985, 16989..17032, 17128..17182, 17359..17443, 17530..17789, 17847..17897, 18012..18068		

Seq. No.	10345	Seq. ID	OJ990310_08.9819.C15
Gene No.	21893	Strand	-
Start	13133	End	18178
Name	OJ990310_08.9819.C15.o2.gp	Method	AAT/GAP

Start	13715	End	14598
GI	none	Score	1007
Exons	13715..13807, 14067..14195, 14255..14598		

Seq. No.	10345	Seq. ID	OJ990310_08.9819.C15
Gene No.	21893	Strand	-
Start	13133	End	18178
Name	OJ990310_08.9819.C15.o3.gp	Method	AAT/GAP
Start	15120	End	17032
GI	82977_1.R1084	Score	1126
Exons	15120..15490, 15578..15634, 15723..15823, 15917..15985, 16989..17032		
GI Descrip.	'1709205/sp|P54928|MYO3_LYCES 1.0e-36 MYO-INOSITOL-1(OR 4)-MONOPHOSPHATASE 3 (IMP 3) (INOSITOL MONOPHOSPHATASE 3) >gi_1098971 (U39059) myo-inositol monophosphatase 3 [Lycopersicon esculentum]'		

Seq. No.	10345	Seq. ID	OJ990310_08.9819.C15
Gene No.	21893	Strand	-
Start	13133	End	18178
Name	OJ990310_08.9819.C15.o2.np	Method	AAT/NAP
Start	15403	End	18080
GI	1709205	Score	781
Exons	15403..15490, 15578..15634, 15723..15823, 15917..15985, 16989..17032, 17128..17182, 17359..17443, 17530..17717, 17847..17897, 18012..18080		
GI Descrip.	MYO-INOSITOL-1(OR 4)-MONOPHOSPHATASE 3 (IMP 3) (INOSITOL MONOPHOSPHATASE 3) gi|1098971 (U39059) myo-inositol monophosphatase 3 [Lycopersicon esculentum]		

Seq. No.	10345	Seq. ID	OJ990310_08.9819.C15
Gene No.	21893	Strand	-
Start	13133	End	18178
Name	OJ990310_08.9819.C15.o4.gp	Method	AAT/GAP
Start	17158	End	18178
GI	65544_1.R1084	Score	921
Exons	17158..17182, 17359..17443, 17530..17717, 17847..17897, 18012..18178		
GI Descrip.	'1709203/sp|P54926|MYO1_LYCES 4.0e-59 MYO-INOSITOL-1(OR 4)-MONOPHOSPHATASE 1 (IMP 1) (INOSITOL MONOPHOSPHATASE 1) >gi_1098977 (U39444) myo-inositol monophosphatase 1 [Lycopersicon esculentum]'		

Seq. No.	10345	Seq. ID	OJ990310_08.9819.C15
Gene No.	21894	Strand	-
Start	20247	End	26400
Name	OJ990310_08.9819.C15.o5.gp	Method	AAT/GAP
Start	19963	End	22052
GI	10716_1.R1084	Score	1723
Exons	19963..20420, 20788..20922, 21077..21221, 21634..21737, 21933..22052		
GI Descrip.	'3548803 9.0e-62 (AC005313) putative DNA-binding protein [Arabidopsis thaliana] >gi_4335770_gb_AAD17447_ (AC006284) putative SMUBP-2 [mouse] DNA-binding protein [Arabidopsis thaliana]'		

Seq. No.	10345	Seq. ID	OJ990310_08.9819.C15

Gene No.	21894	Strand	-
Start	20247	End	26400
Name	OJ990310_08.9819.C15.o5.gs	Method	GENSCAN
Start	20247	End	26375
GI	none	Score	.84
Exons	20247..20420, 20788..20922, 21077..21221, 21634..21737, 21933..22139, 22754..23011, 23211..23264, 23595..23667, 23848..24035, 24778..24942, 25219..25302, 25388..25477, 25695..25874, 26097..26375		

Seq. No.	10345	Seq. ID	OJ990310_08.9819.C15
Gene No.	21894	Strand	-
Start	20247	End	26400
Name	OJ990310_08.9819.C15.o3.np	Method	AAT/NAP
Start	20250	End	26312
GI	4335770	Score	2070
Exons	20250..20420, 20788..20922, 21077..21221, 21634..21737, 21933..22139, 22754..23011, 23211..23264, 23595..23667, 23848..24035, 24778..24942, 25219..25302, 25388..25477, 25875..25943, 26059..26163, 26259..26312		
GI Descrip.	(AC006284) putative helicase [Arabidopsis thaliana]		

Seq. No.	10345	Seq. ID	OJ990310_08.9819.C15
Gene No.	21894	Strand	-
Start	20247	End	26400
Name	OJ990310_08.9819.C15.o6.gp	Method	AAT/GAP
Start	25172	End	26400
GI	73416_1.R1084	Score	844
Exons	25172..25302, 25388..25477, 25875..25943, 26059..26151, 26259..26400		
GI Descrip.	'3548803 1.0e-38 (AC005313) putative DNA-binding protein [Arabidopsis thaliana] >gi_4335770_gb_AAD17447_ (AC006284) putative SMUBP-2 [mouse] DNA-binding protein [Arabidopsis thaliana]'		

Seq. No.	10345	Seq. ID	OJ990310_08.9819.C15
Gene No.	21895	Strand	-
Start	37315	End	37516
Name	OJ990310_08.9819.C15.o9.tm	Method	TBLASTX:Maize
Start	2499	End	2689
GI	none	Score	133
Exons	2499..2633, 2500..2688, 2501..2689		

Seq. No.	10345	Seq. ID	OJ990310_08.9819.C15
Gene No.	21895	Strand	-
Start	37315	End	37516
Name	OJ990310_08.9819.C15.o3.tw	Method	TBLASTX:Wheat
Start	2500	End	10769
GI	none	Score	154
Exons	2500..2688, 2501..2689, 2529..2585, 10695..10769		

Seq. No.	10345	Seq. ID	OJ990310_08.9819.C15
Gene No.	21895	Strand	-
Start	37315	End	37516
Name	OJ990310_08.9819.C15.o10.tm	Method	TBLASTX:Maize
Start	8079	End	9925
GI	none	Score	104

Exons	8079..8144, 8080..8145, 8269..8331, 8270..8329, 8272..8340, 8416..8520, 8417..8509, 9128..9229, 9133..9231, 9133..9228, 9408..9527, 9444..9542, 9531..9593, 9531..9596, 9821..9886, 9823..9891, 9890..9925, 9892..9924		

Seq. No.	10345	Seq. ID	OJ990310_08.9819.C15
Gene No.	21895	Strand	-
Start	37315	End	37516
Name	OJ990310_08.9819.C15.o5.tm	Method	TBLASTX:Maize
Start	10908	End	11921
GI	none	Score	111
Exons	10908..10979, 10910..10978, 10974..11021, 10989..11021, 11686..11919, 11713..11919, 11718..11921		

Seq. No.	10345	Seq. ID	OJ990310_08.9819.C15
Gene No.	21895	Strand	-
Start	37315	End	37516
Name	OJ990310_08.9819.C15.o11.tm	Method	TBLASTX:Maize
Start	11283	End	11686
GI	none	Score	75
Exons	11283..11357, 11296..11337, 11421..11450, 11506..11685, 11524..11685, 11528..11686		

Seq. No.	10345	Seq. ID	OJ990310_08.9819.C15
Gene No.	21895	Strand	-
Start	37315	End	37516
Name	OJ990310_08.9819.C15.o8.tm	Method	TBLASTX:Maize
Start	13286	End	13459
GI	none	Score	77
Exons	13286..13363, 13287..13370, 13364..13459		

Seq. No.	10345	Seq. ID	OJ990310_08.9819.C15
Gene No.	21895	Strand	-
Start	37315	End	37516
Name	OJ990310_08.9819.C15.o5.ts	Method	TBLASTX:Soybean
Start	13302	End	13535
GI	none	Score	47
Exons	13302..13373, 13304..13390, 13391..13534, 13399..13524, 13403..13528, 13440..13535		

Seq. No.	10345	Seq. ID	OJ990310_08.9819.C15
Gene No.	21895	Strand	-
Start	37315	End	37516
Name	OJ990310_08.9819.C15.o4.tm	Method	TBLASTX:Maize
Start	13461	End	14204
GI	none	Score	87
Exons	13461..13535, 13463..13534, 13467..13544, 13618..13677, 13622..13813, 13623..13808, 14055..14204, 14067..14204		

Seq. No.	10345	Seq. ID	OJ990310_08.9819.C15
Gene No.	21895	Strand	-
Start	37315	End	37516
Name	OJ990310_08.9819.C15.o7.tm	Method	TBLASTX:Maize
Start	15380	End	15764
GI	none	Score	85
Exons	15380..15478, 15384..15479, 15386..15490, 15403..15489, 15577..15633, 15582..15677, 15722..15763, 15726..15764		

Seq. No.	10345	Seq. ID	OJ990310_08.9819.C15
Gene No.	21895	Strand	-
Start	37315	End	37516
Name	OJ990310_08.9819.C15.o2.ts	Method	TBLASTX:Soybean
Start	15409	End	18063
GI	none	Score	61
Exons	15409..15489, 15562..15639, 15577..15633, 15718..15807, 15722..15832, 15723..15821, 15914..15988, 17129..17182, 17356..17442, 17357..17440, 17366..17443, 17505..17573, 17530..17571, 17622..17720, 17629..17721, 17824..17898, 17826..17900, 18009..18056, 18013..18063		

Seq. No.	10345	Seq. ID	OJ990310_08.9819.C15
Gene No.	21895	Strand	-
Start	37315	End	37516
Name	OJ990310_08.9819.C15.o2.tw	Method	TBLASTX:Wheat
Start	15722	End	17559
GI	none	Score	169
Exons	15722..15832, 15723..15839, 15902..15988, 15905..15994, 16986..17027, 16986..17030, 16987..17031, 17126..17182, 17127..17183, 17129..17185, 17133..17183, 17356..17442, 17357..17443, 17359..17445, 17361..17444, 17505..17558, 17528..17554, 17530..17559		

Seq. No.	10345	Seq. ID	OJ990310_08.9819.C15
Gene No.	21895	Strand	-
Start	37315	End	37516
Name	OJ990310_08.9819.C15.o2.tm	Method	TBLASTX:Maize
Start	15764	End	18093
GI	none	Score	97
Exons	15764..15832, 15765..15824, 15905..15994, 15922..15987, 16988..17029, 16989..17030, 16989..17033, 16990..17034, 17126..17182, 17130..17183, 17131..17187, 17133..17183, 17356..17442, 17357..17443, 17505..17720, 17521..17718, 17685..17726, 17824..17898, 17826..17900, 17846..17908, 18009..18068, 18012..18068, 18013..18093		

Seq. No.	10345	Seq. ID	OJ990310_08.9819.C15
Gene No.	21895	Strand	-
Start	37315	End	37516
Name	OJ990310_08.9819.C15.o2.tc	Method	TBLASTX:Cress
Start	17356	End	18059
GI	none	Score	87
Exons	17356..17442, 17357..17440, 17359..17442, 17505..17573, 17530..17574, 17622..17720, 17629..17718, 17824..17901, 17826..17900, 18009..18059, 18016..18054		

Seq. No.	10345	Seq. ID	OJ990310_08.9819.C15
Gene No.	21895	Strand	-
Start	37315	End	37516
Name	OJ990310_08.9819.C15.o6.ts	Method	TBLASTX:Soybean
Start	20242	End	21226
GI	none	Score	213
Exons	20242..20442, 20250..20429, 20758..20913, 20777..20923, 20800..20922, 21074..21220, 21074..21226		

Seq. No.	10345	Seq. ID	OJ990310_08.9819.C15
Gene No.	21895	Strand	-
Start	37315	End	37516
Name	OJ990310_08.9819.C15.o3.tm	Method	TBLASTX:Maize
Start	20304	End	22984
GI	none	Score	90
Exons	20304..20423, 20304..20429, 20305..20442, 20786..20923, 20800..20922, 21074..21220, 21075..21167, 21077..21223, 21628..21738, 21633..21740, 21633..21737, 21930..22145, 21933..22133, 21934..22140, 22753..22863, 22757..22903, 22763..22984, 22909..22980		

Seq. No.	10345	Seq. ID	OJ990310_08.9819.C15
Gene No.	21895	Strand	-
Start	37315	End	37516
Name	OJ990310_08.9819.C15.o3.ts	Method	TBLASTX:Soybean
Start	21993	End	23924
GI	none	Score	162
Exons	21993..22145, 21994..22140, 21998..22144, 22750..22842, 22752..22862, 22753..22863, 22754..22897, 22766..23008, 23211..23267, 23592..23672, 23859..23924, 23860..23922		

Seq. No.	10345	Seq. ID	OJ990310_08.9819.C15
Gene No.	21895	Strand	-
Start	37315	End	37516
Name	OJ990310_08.9819.C15.o8.ts	Method	TBLASTX:Soybean
Start	23925	End	26112
GI	none	Score	134
Exons	23925..24038, 24778..24942, 24788..24943, 25210..25305, 25217..25303, 25386..25466, 25388..25471, 25875..25946, 25875..25943, 26047..26112, 26060..26101		

Seq. No.	10345	Seq. ID	OJ990310_08.9819.C15
Gene No.	21895	Strand	-
Start	37315	End	37516
Name	OJ990310_08.9819.C15.o6.tm	Method	TBLASTX:Maize
Start	25208	End	26316
GI	none	Score	131
Exons	25208..25303, 25210..25305, 25217..25303, 25219..25305, 25386..25478, 25387..25485, 25388..25477, 25708..25758, 25865..25909, 25875..25946, 25875..25943, 25909..25953, 26047..26115, 26050..26109, 26060..26152, 26060..26125, 26233..26316, 26259..26315		

Seq. No.	10345	Seq. ID	OJ990310_08.9819.C15
Gene No.	21895	Strand	-
Start	37315	End	37516
Name	OJ990310_08.9819.C15.o1.tm	Method	TBLASTX:Maize
Start	27195	End	33949
GI	none	Score	66
Exons	27195..27257, 27196..27252, 27200..27253, 27200..27268, 27348..27482, 27349..27516, 27350..27487, 27351..27518, 27601..27702, 27606..27734, 28548..28637, 28550..28639, 28562..28639, 28953..29039, 28953..29039, 28954..29040, 30839..30934, 30849..30932, 31505..31651, 31508..31651, 31521..31652, 31708..31836, 31724..32008, 31725..32009, 31725..32009, 31726..32013, 31733..32017, 31897..32016,		

32255..32359, 32255..32365, 32256..32360, 32454..32627,
32454..32627, 32936..33049, 32947..33105, 32947..33105,
32958..33110, 33182..33253, 33183..33254, 33184..33252,
33661..33810, 33662..33808, 33663..33815, 33664..33810,
33891..33944, 33898..33945, 33901..33945, 33905..33949

Seq. No.	10345	Seq. ID	OJ990310_08.9819.C15
Gene No.	21895	Strand	-
Start	37315	End	37516
Name	OJ990310_08.9819.C15.o1.tc	Method	TBLASTX:Cress
Start	27215	End	33935
GI	none	Score	47

Exons 27215..27253, 27348..27515, 27349..27516, 27601..27699,
27607..27696, 28556..28639, 28954..29040, 31499..31651,
31508..31606, 31561..31650, 31708..31836, 31724..32008,
31731..32009, 31733..32017, 31897..32016, 32255..32365,
32256..32360, 32450..32521, 32454..32627, 32522..32626,
32543..32629, 32946..33104, 32947..33105, 33184..33252,
33662..33820, 33662..33808, 33664..33810, 33906..33935

Seq. No.	10345	Seq. ID	OJ990310_08.9819.C15
Gene No.	21895	Strand	-
Start	37315	End	37516
Name	OJ990310_08.9819.C15.o7.ts	Method	TBLASTX:Soybean
Start	27215	End	31591
GI	none	Score	51

Exons 27215..27253, 27349..27516, 27601..27699, 27606..27701,
28556..28639, 28953..29039, 28954..29040, 30879..30944,
31505..31591

Seq. No.	10345	Seq. ID	OJ990310_08.9819.C15
Gene No.	21895	Strand	-
Start	37315	End	37516
Name	OJ990310_08.9819.C15.o1.ts	Method	TBLASTX:Soybean
Start	31592	End	33204
GI	none	Score	82

Exons 31592..31651, 31708..32016, 31731..31988, 31732..32016,
31733..32017, 32255..32287, 32256..32288, 32273..32392,
32283..32360, 32414..32626, 32454..32627, 32454..32627,
32944..33099, 32947..33105, 32958..33104, 32964..33119,
33184..33204

Seq. No.	10345	Seq. ID	OJ990310_08.9819.C15
Gene No.	21895	Strand	-
Start	37315	End	37516
Name	OJ990310_08.9819.C15.o1.tw	Method	TBLASTX:Wheat
Start	31781	End	32365
GI	none	Score	377

Exons 31781..32017, 31784..32017, 32256..32360, 32256..32351,
32261..32365

Seq. No.	10345	Seq. ID	OJ990310_08.9819.C15
Gene No.	21895	Strand	-
Start	37315	End	37516
Name	OJ990310_08.9819.C15.o4.ts	Method	TBLASTX:Soybean
Start	33205	End	33960
GI	none	Score	75

Exons	33205..33252, 33662..33808, 33662..33808, 33663..33809, 33664..33810, 33664..33810, 33901..33960, 33906..33941		
Seq. No.	10345	Seq. ID	OJ990310_08.9819.C15
Gene No.	21895	Strand	-
Start	37315	End	37516
Name	OJ990310_08.9819.C15.o7.gs	Method	GENSCAN
Start	37315	End	37516
GI	none	Score	.52
Exons	37315..37516		
Seq. No.	10346	Seq. ID	OJ990310_08.9819.C16
Gene No.	21896	Strand	+
Start	1	End	623
Name	OJ990310_08.9819.C16.o1.np	Method	AAT/NAP
Start	1	End	623
GI	4335770	Score	142
Exons	1..94, 182..271, 357..623		
GI Descrip.	(AC006284) putative helicase [Arabidopsis thaliana]		
Seq. No.	10346	Seq. ID	OJ990310_08.9819.C16
Gene No.	21896	Strand	+
Start	1	End	623
Name	OJ990310_08.9819.C16.o1.tm	Method	TBLASTX:Maize
Start	174	End	451
GI	none	Score	144
Exons	174..272, 181..273, 182..271, 354..449, 354..440, 356..451, 356..442		
Seq. No.	10346	Seq. ID	OJ990310_08.9819.C16
Gene No.	21896	Strand	+
Start	1	End	623
Name	OJ990310_08.9819.C16.o1.gp	Method	AAT/GAP
Start	176	End	487
GI	73416_1.R1084	Score	276
Exons	176..271, 357..487		
GI Descrip.	'3548803 1.0e-38 (AC005313) putative DNA-binding protein [Arabidopsis thaliana] >gi_4335770_gb_AAD17447_ (AC006284) putative SMUBP-2 [mouse] DNA-binding protein [Arabidopsis thaliana]'		
Seq. No.	10346	Seq. ID	OJ990310_08.9819.C16
Gene No.	21896	Strand	+
Start	1	End	623
Name	OJ990310_08.9819.C16.o1.gs	Method	GENSCAN
Start	182	End	440
GI	none	Score	.95
Exons	182..271, 357..440		
Seq. No.	10346	Seq. ID	OJ990310_08.9819.C16
Gene No.	21896	Strand	+
Start	1	End	623
Name	OJ990310_08.9819.C16.o1.ts	Method	TBLASTX:Soybean
Start	188	End	449
GI	none	Score	116
Exons	188..271, 193..273, 196..273, 354..449, 356..442		

Seq. No.	10347	Seq. ID	OJ990310_08.9819.C17
Gene No.	21897	Strand	+
Start	819	End	2886
Name	OJ990310_08.9819.C17.o1.gs	Method	GENSCAN
Start	819	End	2886
GI	none	Score	.61
Exons	819..1048, 1235..1549, 1684..1903, 2039..2886		

Seq. No.	10347	Seq. ID	OJ990310_08.9819.C17
Gene No.	21897	Strand	+
Start	819	End	2886
Name	OJ990310_08.9819.C17.o2.np	Method	AAT/NAP
Start	872	End	2850
GI	6705984	Score	1048
Exons	872..1142, 1169..2850		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	10347	Seq. ID	OJ990310_08.9819.C17
Gene No.	21898	Strand	+
Start	4942	End	10093
Name	OJ990310_08.9819.C17.o3.gs	Method	GENSCAN
Start	4942	End	10093
GI	none	Score	.6
Exons	4942..5329, 6560..6612, 8853..8880, 9098..9230, 9410..9491, 9974..10093		

Seq. No.	10347	Seq. ID	OJ990310_08.9819.C17
Gene No.	21899	Strand	-
Start	4535	End	4615
Name	OJ990310_08.9819.C17.o1.gp	Method	AAT/GAP
Start	4535	End	4615
GI	38012_1.R1084	Score	105
Exons	4535..4615		
GI Descrip.	'4097947/gb|U72255|OSU72255 2.0e-23 Oryza sativa beta-1,3-glucanase precursor (Gns9) gene, complete cds'		

Seq. No.	10347	Seq. ID	OJ990310_08.9819.C17
Gene No.	21900	Strand	-
Start	8840	End	10997
Name	OJ990310_08.9819.C17.o2.tm	Method	TBLASTX:Maize
Start	1194	End	1396
GI	none	Score	73
Exons	1194..1334, 1213..1395, 1214..1396		

Seq. No.	10347	Seq. ID	OJ990310_08.9819.C17
Gene No.	21900	Strand	-
Start	8840	End	10997
Name	OJ990310_08.9819.C17.o2.tw	Method	TBLASTX:Wheat
Start	1231	End	1767
GI	none	Score	253
Exons	1231..1395, 1232..1549, 1250..1396, 1427..1549, 1551..1727, 1552..1767		

Seq. No.	10347	Seq. ID	OJ990310_08.9819.C17
Gene No.	21900	Strand	-
Start	8840	End	10997
Name	OJ990310_08.9819.C17.o2.ts	Method	TBLASTX:Soybean

Start	1235	End	1549
GI	none	Score	137
Exons	1235..1414, 1418..1549		

Seq. No.	10347	Seq. ID	OJ990310_08.9819.C17
Gene No.	21900	Strand	-
Start	8840	End	10997
Name	OJ990310_08.9819.C17.o1.tw	Method	TBLASTX:Wheat
Start	2143	End	2634
GI	none	Score	281
Exons	2143..2424, 2163..2390, 2426..2551, 2427..2582, 2427..2594, 2428..2634		

Seq. No.	10347	Seq. ID	OJ990310_08.9819.C17
Gene No.	21900	Strand	-
Start	8840	End	10997
Name	OJ990310_08.9819.C17.o1.tm	Method	TBLASTX:Maize
Start	2383	End	2619
GI	none	Score	254
Exons	2383..2619, 2389..2607		

Seq. No.	10347	Seq. ID	OJ990310_08.9819.C17
Gene No.	21900	Strand	-
Start	8840	End	10997
Name	OJ990310_08.9819.C17.o1.ts	Method	TBLASTX:Soybean
Start	2383	End	2619
GI	none	Score	246
Exons	2383..2619, 2389..2607		

Seq. No.	10347	Seq. ID	OJ990310_08.9819.C17
Gene No.	21900	Strand	-
Start	8840	End	10997
Name	OJ990310_08.9819.C17.o3.np	Method	AAT/NAP
Start	8840	End	10997
GI	6721516	Score	275
Exons	8840..9103, 9515..9753, 10954..10997		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	10347	Seq. ID	OJ990310_08.9819.C17
Gene No.	21900	Strand	-
Start	8840	End	10997
Name	OJ990310_08.9819.C17.o4.gs	Method	GENSCAN
Start	10642	End	10756
GI	none	Score	.84
Exons	10642..10697, 10735..10756		

Seq. No.	10348	Seq. ID	OJ990310_08.9819.C18
Gene No.	21901	Strand	+
Start	14	End	160
Name	OJ990310_08.9819.C18.o1.gs	Method	GENSCAN
Start	14	End	160
GI	none	Score	.98
Exons	14..160		

Seq. No.	10348	Seq. ID	OJ990310_08.9819.C18
Gene No.	21902	Strand	-
Start	3906	End	6116

Name	OJ990310_08.9819.C18.o3.gs	Method	GENSCAN
Start	3906	End	6116
GI	none	Score	.68
Exons	3906..4235, 4842..4984, 5745..5832, 5958..6116		

Seq. No.	10348	Seq. ID	OJ990310_08.9819.C18
Gene No.	21903	Strand	-
Start	8790	End	10703
Name	OJ990310_08.9819.C18.o4.gs	Method	GENSCAN
Start	8790	End	10703
GI	none	Score	.85
Exons	8790..9896, 10068..10703		

Seq. No.	10348	Seq. ID	OJ990310_08.9819.C18
Gene No.	21904	Strand	-
Start	11580	End	18320
Name	OJ990310_08.9819.C18.o5.gs	Method	GENSCAN
Start	11580	End	18320
GI	none	Score	.58
Exons	11580..11596, 13129..13265, 15994..16538, 17016..17188, 17588..18320		

Seq. No.	10349	Seq. ID	OJ990310_08.9819.C19
Gene No.	21905	Strand	-
Start	1064	End	15615
Name	OJ990310_08.9819.C19.o1.np	Method	AAT/NAP
Start	1064	End	15615
GI	2781357	Score	826
Exons	1064..1175, 1864..2712, 14889..15010, 15511..15615		
GI Descrip.	(AC003113) F24O1.13 [Arabidopsis thaliana]		

Seq. No.	10349	Seq. ID	OJ990310_08.9819.C19
Gene No.	21905	Strand	-
Start	1064	End	15615
Name	OJ990310_08.9819.C19.o2.gs	Method	GENSCAN
Start	1744	End	2799
GI	none	Score	.81
Exons	1744..2799		

Seq. No.	10349	Seq. ID	OJ990310_08.9819.C19
Gene No.	21905	Strand	-
Start	1064	End	15615
Name	OJ990310_08.9819.C19.o1.ts	Method	TBLASTX:Soybean
Start	1861	End	2829
GI	none	Score	38
Exons	1861..1905, 1882..2202, 1913..2125, 2150..2182, 2209..2547, 2279..2356, 2390..2539, 2585..2722, 2587..2829		

Seq. No.	10349	Seq. ID	OJ990310_08.9819.C19
Gene No.	21905	Strand	-
Start	1064	End	15615
Name	OJ990310_08.9819.C19.o1.tm	Method	TBLASTX:Maize
Start	1891	End	2754
GI	none	Score	172
Exons	1891..2187, 1901..2182, 2203..2547, 2204..2383, 2435..2539, 2587..2754		

Seq. No.	10349	Seq. ID	OJ990310_08.9819.C19
Gene No.	21905	Strand	-
Start	1064	End	15615
Name	OJ990310_08.9819.C19.o1.tw	Method	TBLASTX:Wheat
Start	1891	End	2445
GI	none	Score	48
Exons	1891..2202, 2054..2224, 2090..2128, 2091..2183, 2215..2445, 2216..2380, 2236..2424		

Seq. No.	10349	Seq. ID	OJ990310_08.9819.C19
Gene No.	21905	Strand	-
Start	1064	End	15615
Name	OJ990310_08.9819.C19.o1.tc	Method	TBLASTX:Cress
Start	1897	End	2442
GI	none	Score	178
Exons	1897..2187, 1901..2182, 2203..2442, 2234..2353		

Seq. No.	10349	Seq. ID	OJ990310_08.9819.C19
Gene No.	21905	Strand	-
Start	1064	End	15615
Name	OJ990310_08.9819.C19.o2.tm	Method	TBLASTX:Maize
Start	12223	End	14679
GI	none	Score	131
Exons	12223..12375, 12246..12374, 12257..12379, 12260..12379, 12264..12416, 14331..14543, 14364..14534, 14456..14629, 14523..14675, 14524..14679		

Seq. No.	10350	Seq. ID	OJ990310_08.9819.C20
Gene No.	21906	Strand	+
Start	154	End	1835
Name	OJ990310_08.9819.C20.o1.gs	Method	GENSCAN
Start	154	End	1835
GI	none	Score	.66
Exons	154..368, 783..1043, 1553..1835		

Seq. No.	10350	Seq. ID	OJ990310_08.9819.C20
Gene No.	21907	Strand	+
Start	2032	End	2193
Name	OJ990310_08.9819.C20.o2.gs	Method	GENSCAN
Start	2032	End	2193
GI	none	Score	.79
Exons	2032..2193		

Seq. No.	10351	Seq. ID	OJ990310_08.9819.C21
Gene No.	21908	Strand	+
Start	161	End	1996
Name	OJ990310_08.9819.C21.o1.gs	Method	GENSCAN
Start	161	End	1996
GI	none	Score	.71
Exons	161..229, 1877..1996		

Seq. No.	10351	Seq. ID	OJ990310_08.9819.C21
Gene No.	21909	Strand	+
Start	5150	End	13730
Name	OJ990310_08.9819.C21.o3.gs	Method	GENSCAN
Start	5150	End	12758
GI	none	Score	.73

Exons	5150..5162, 6033..6302, 7221..7349, 7960..8138, 9037..9128, 9888..10619, 11324..11750, 11801..11958, 12311..12758		
Seq. No.	10351	Seq. ID	OJ990310_08.9819.C21
Gene No.	21909	Strand	+
Start	5150	End	13730
Name	OJ990310_08.9819.C21.o1.np	Method	AAT/NAP
Start	7271	End	13730
GI	5091513	Score	1592
Exons	7271..7408, 9860..10509, 11348..12428, 13217..13357, 13511..13730		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		
Seq. No.	10351	Seq. ID	OJ990310_08.9819.C21
Gene No.	21909	Strand	+
Start	5150	End	13730
Name	OJ990310_08.9819.C21.o4.gs	Method	GENSCAN
Start	13245	End	13667
GI	none	Score	.79
Exons	13245..13332, 13474..13667		
Seq. No.	10351	Seq. ID	OJ990310_08.9819.C21
Gene No.	21910	Strand	+
Start	18739	End	20032
Name	OJ990310_08.9819.C21.o2.np	Method	AAT/NAP
Start	18739	End	20032
GI	4680492	Score	595
Exons	18739..19239, 19583..20032		
GI Descrip.	(AF119222) putative reverse transcriptase [Oryza sativa]		
Seq. No.	10351	Seq. ID	OJ990310_08.9819.C21
Gene No.	21911	Strand	+
Start	20339	End	25290
Name	OJ990310_08.9819.C21.o3.np	Method	AAT/NAP
Start	20339	End	25290
GI	2586082	Score	100
Exons	20339..20366, 22448..22518, 24631..25052, 25093..25290		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		
Seq. No.	10351	Seq. ID	OJ990310_08.9819.C21
Gene No.	21912	Strand	-
Start	3104	End	4606
Name	OJ990310_08.9819.C21.o2.gs	Method	GENSCAN
Start	3104	End	4606
GI	none	Score	.98
Exons	3104..4606		
Seq. No.	10351	Seq. ID	OJ990310_08.9819.C21
Gene No.	21913	Strand	-
Start	21024	End	30631
Name	OJ990310_08.9819.C21.o6.gs	Method	GENSCAN
Start	21024	End	29709
GI	none	Score	.45
Exons	21024..21491, 21534..21971, 21977..22537, 24130..24164, 26479..26635, 26846..26930, 27590..29709		
Seq. No.	10351	Seq. ID	OJ990310_08.9819.C21

Gene No.	21913	Strand	-
Start	21024	End	30631
Name	OJ990310_08.9819.C21.o5.np	Method	AAT/NAP
Start	23358	End	29323
GI	6815097	Score	100
Exons	23358..23390, 27468..27768, 29173..29323		
GI Descrip.	(AP001081) Similar to putative copia polyprotein (AC006248) [Oryza sativa]		

Seq. No.	10351	Seq. ID	OJ990310_08.9819.C21
Gene No.	21913	Strand	-
Start	21024	End	30631
Name	OJ990310_08.9819.C21.o4.np	Method	AAT/NAP
Start	26203	End	26930
GI	6069646	Score	663
Exons	26203..26930		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	10351	Seq. ID	OJ990310_08.9819.C21
Gene No.	21913	Strand	-
Start	21024	End	30631
Name	OJ990310_08.9819.C21.o1.tm	Method	TBLASTX:Maize
Start	26462	End	26674
GI	none	Score	205
Exons	26462..26674		

Seq. No.	10351	Seq. ID	OJ990310_08.9819.C21
Gene No.	21913	Strand	-
Start	21024	End	30631
Name	OJ990310_08.9819.C21.o6.np	Method	AAT/NAP
Start	27934	End	30354
GI	2736513	Score	122
Exons	27934..28173, 28392..28444, 28635..28744, 29374..29736, 30218..30354		
GI Descrip.	(AF039052) No definition line found [Caenorhabditis elegans]		

Seq. No.	10351	Seq. ID	OJ990310_08.9819.C21
Gene No.	21913	Strand	-
Start	21024	End	30631
Name	OJ990310_08.9819.C21.o7.gs	Method	GENSCAN
Start	29935	End	30631
GI	none	Score	.52
Exons	29935..30029, 30201..30461, 30547..30631		

Seq. No.	10352	Seq. ID	OJ990310_08.9819.C22
Gene No.	21914	Strand	+
Start	1	End	731
Name	OJ990310_08.9819.C22.o1.np	Method	AAT/NAP
Start	1	End	731
GI	4335770	Score	155
Exons	1..182, 699..731		
GI Descrip.	(AC006284) putative helicase [Arabidopsis thaliana]		

Seq. No.	10352	Seq. ID	OJ990310_08.9819.C22
Gene No.	21914	Strand	+
Start	1	End	731
Name	OJ990310_08.9819.C22.o1.tm	Method	TBLASTX:Maize
Start	29	End	179
GI	none	Score	209
Exons	29..169, 29..175, 33..179, 33..176, 67..177		

Seq. No.	10353	Seq. ID	OJ990310_08.9819.C26
Gene No.	21915	Strand	+
Start	56	End	567
Name	OJ990310_08.9819.C26.o1.np	Method	AAT/NAP
Start	56	End	567
GI	4538896	Score	201
Exons	56..100, 148..387, 438..567		
GI Descrip.	(AL049482) putative protein [Arabidopsis thaliana]		

Seq. No.	10354	Seq. ID	OJ990310_08.9819.C27
Gene No.	21916	Strand	+
Start	1	End	609
Name	OJ990310_08.9819.C27.o1.np	Method	AAT/NAP
Start	1	End	609
GI	4938504	Score	243
Exons	1..609		
GI Descrip.	(AL078465) putative protein [Arabidopsis thaliana]		

Seq. No.	10354	Seq. ID	OJ990310_08.9819.C27
Gene No.	21916	Strand	+
Start	1	End	609
Name	OJ990310_08.9819.C27.o1.gs	Method	GENSCAN
Start	58	End	478
GI	none	Score	.59
Exons	58..478		

Seq. No.	10354	Seq. ID	OJ990310_08.9819.C27
Gene No.	21916	Strand	+
Start	1	End	609
Name	OJ990310_08.9819.C27.o1.tm	Method	TBLASTX:Maize
Start	102	End	354
GI	none	Score	298
Exons	102..350, 120..350, 122..352, 211..354		

Seq. No.	10354	Seq. ID	OJ990310_08.9819.C27
Gene No.	21916	Strand	+
Start	1	End	609
Name	OJ990310_08.9819.C27.o2.tm	Method	TBLASTX:Maize
Start	355	End	497
GI	none	Score	96
Exons	355..492, 355..495, 357..497, 357..497		

Seq. No.	10355	Seq. ID	OJ990310_08.9819.C28
Gene No.	21917	Strand	+
Start	62	End	572
Name	OJ990310_08.9819.C28.o1.gs	Method	GENSCAN
Start	62	End	572
GI	none	Score	.87
Exons	62..259, 300..572		

Seq. No.	10356	Seq. ID	OJ990310_08.9819.C31
Gene No.	21918	Strand	+
Start	57	End	386
Name	OJ990310_08.9819.C31.o1.gp	Method	AAT/GAP
Start	57	End	386
GI	none	Score	599
Exons	57..386		

Seq. No.	10357	Seq. ID	OJ990310_08.9819.C32
Gene No.	21919	Strand	+
Start	181	End	444
Name	OJ990310_08.9819.C32.o1.gs	Method	GENSCAN
Start	181	End	444
GI	none	Score	.4
Exons	181..444		

Seq. No.	10358	Seq. ID	OJ990310_08.9819.C33
Gene No.	21920	Strand	
Start	296	End	563
Name	OJ990310_08.9819.C33.o1.tm	Method	TBLASTX:Maize
Start	296	End	563
GI	none	Score	187
Exons	296..424, 309..425, 328..426, 492..563, 494..553, 504..563		

Seq. No.	10359	Seq. ID	OJ990310_08.9819.C35
Gene No.	21921	Strand	-
Start	415	End	570
Name	OJ990310_08.9819.C35.o1.gs	Method	GENSCAN
Start	415	End	570
GI	none	Score	.6
Exons	415..445, 500..570		

Seq. No.	10360	Seq. ID	OJ990310_08.9819.C36
Gene No.	21922	Strand	-
Start	94	End	336
Name	OJ990310_08.9819.C36.o1.gp	Method	AAT/GAP
Start	94	End	336
GI	none	Score	405
Exons	94..336		

Seq. No.	10361	Seq. ID	OJ990310_08.9819.C38
Gene No.	21923	Strand	-
Start	1	End	627
Name	OJ990310_08.9819.C38.o1.np	Method	AAT/NAP
Start	1	End	627
GI	4581148	Score	90
Exons	1..52, 447..627		
GI Descrip.	(AC006919) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	10361	Seq. ID	OJ990310_08.9819.C38
Gene No.	21923	Strand	-
Start	1	End	627
Name	OJ990310_08.9819.C38.o1.gs	Method	GENSCAN
Start	128	End	259
GI	none	Score	.93
Exons	128..259		

Seq. No.	10362	Seq. ID	OJ990310_08.9819.C40
Gene No.	21924	Strand	-
Start	1	End	469
Name	OJ990310_08.9819.C40.o1.np	Method	AAT/NAP
Start	1	End	469
GI	100903	Score	119
Exons	1..63, 361..469		
GI Descrip.	nucleic acid-binding protein - maize gi|168526 (M74566) nucleic acid-binding protein [Zea mays]		

Seq. No.	10362	Seq. ID	OJ990310_08.9819.C40
Gene No.	21924	Strand	-
Start	1	End	469
Name	OJ990310_08.9819.C40.o1.gs	Method	GENSCAN
Start	361	End	462
GI	none	Score	.87
Exons	361..462		

Seq. No.	10363	Seq. ID	OJ990310_09.9819.C3
Gene No.	21925	Strand	+
Start	8587	End	11810
Name	OJ990310_09.9819.C3.o1.np	Method	AAT/NAP
Start	8587	End	11807
GI	5803259	Score	4153
Exons	8587..9848, 9941..11807		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	10363	Seq. ID	OJ990310_09.9819.C3
Gene No.	21925	Strand	+
Start	8587	End	11810
Name	OJ990310_09.9819.C3.o2.gs	Method	GENSCAN
Start	8587	End	11810
GI	none	Score	.95
Exons	8587..9848, 9941..11810		

Seq. No.	10363	Seq. ID	OJ990310_09.9819.C3
Gene No.	21926	Strand	-
Start	216	End	273
Name	OJ990310_09.9819.C3.o1.gp	Method	AAT/GAP
Start	216	End	273
GI	2312838	Score	67
Exons	216..273		
GI Descrip.	1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	10363	Seq. ID	OJ990310_09.9819.C3
Gene No.	21927	Strand	-
Start	12443	End	12625
Name	OJ990310_09.9819.C3.o3.gs	Method	GENSCAN
Start	12443	End	12568
GI	none	Score	.83
Exons	12443..12568		

Seq. No.	10363	Seq. ID	OJ990310_09.9819.C3
Gene No.	21927	Strand	-
Start	12443	End	12625

Name	OJ990310_09.9819.C3.o2.np	Method	AAT/NAP
Start	12446	End	12625
GI	6498441	Score	246
Exons	12446..12625		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	10364	Seq. ID	OJ990310_09.9819.C5
Gene No.	21928	Strand	-
Start	278	End	358
Name	OJ990310_09.9819.C5.o1.gs	Method	GENSCAN
Start	278	End	358
GI	none	Score	.92
Exons	278..358		

Seq. No.	10365	Seq. ID	OJ990310_09.9819.C6
Gene No.	21929	Strand	-
Start	383	End	2617
Name	OJ990310_09.9819.C6.o1.gs	Method	GENSCAN
Start	383	End	2155
GI	none	Score	.89
Exons	383..2155		

Seq. No.	10365	Seq. ID	OJ990310_09.9819.C6
Gene No.	21929	Strand	-
Start	383	End	2617
Name	OJ990310_09.9819.C6.o1.np	Method	AAT/NAP
Start	386	End	2617
GI	6498441	Score	2767
Exons	386..667, 761..2170, 2562..2617		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	10365	Seq. ID	OJ990310_09.9819.C6
Gene No.	21929	Strand	-
Start	383	End	2617
Name	OJ990310_09.9819.C6.o2.tm	Method	TBLASTX:Maize
Start	386	End	526
GI	none	Score	122
Exons	386..526, 387..521		

Seq. No.	10365	Seq. ID	OJ990310_09.9819.C6
Gene No.	21929	Strand	-
Start	383	End	2617
Name	OJ990310_09.9819.C6.o2.tw	Method	TBLASTX:Wheat
Start	395	End	997
GI	none	Score	83
Exons	395..520, 399..521, 713..997, 714..992		

Seq. No.	10365	Seq. ID	OJ990310_09.9819.C6
Gene No.	21929	Strand	-
Start	383	End	2617
Name	OJ990310_09.9819.C6.o1.tw	Method	TBLASTX:Wheat
Start	998	End	1379
GI	none	Score	163

Exons	998..1378, 1029..1277, 1323..1379		
Seq. No.	10365	Seq. ID	OJ990310_09.9819.C6
Gene No.	21929	Strand	-
Start	383	End	2617
Name	OJ990310_09.9819.C6.o1.tm	Method	TBLASTX:Maize
Start	1193	End	1516
GI	none	Score	191
Exons	1193..1516, 1206..1487		
Seq. No.	10365	Seq. ID	OJ990310_09.9819.C6
Gene No.	21929	Strand	-
Start	383	End	2617
Name	OJ990310_09.9819.C6.o1.ts	Method	TBLASTX:Soybean
Start	1769	End	2317
GI	5666795	Score	65
Exons	1769..1969, 2024..2161, 2237..2317		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		
Seq. No.	10365	Seq. ID	OJ990310_09.9819.C6
Gene No.	21929	Strand	-
Start	383	End	2617
Name	OJ990310_09.9819.C6.o3.tw	Method	TBLASTX:Wheat
Start	1871	End	2321
GI	none	Score	143
Exons	1871..2188, 1938..2162, 2220..2321, 2225..2320		
Seq. No.	10366	Seq. ID	OJ990310_09.9819.C7
Gene No.	21930	Strand	+
Start	12046	End	14542
Name	OJ990310_09.9819.C7.o3.np	Method	AAT/NAP
Start	12046	End	14542
GI	5922623	Score	264
Exons	12046..12161, 12559..12671, 12839..12914, 14510..14542		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		
Seq. No.	10366	Seq. ID	OJ990310_09.9819.C7
Gene No.	21931	Strand	-
Start	775	End	2666
Name	OJ990310_09.9819.C7.o1.gs	Method	GENSCAN
Start	775	End	2666
GI	none	Score	.59
Exons	775..972, 1347..2666		
Seq. No.	10366	Seq. ID	OJ990310_09.9819.C7
Gene No.	21932	Strand	-
Start	3413	End	3917
Name	OJ990310_09.9819.C7.o2.gs	Method	GENSCAN
Start	3413	End	3917
GI	none	Score	.91
Exons	3413..3479, 3841..3917		
Seq. No.	10366	Seq. ID	OJ990310_09.9819.C7
Gene No.	21933	Strand	-
Start	3919	End	4291

Name	OJ990310_09.9819.C7.o1.gp	Method	AAT/GAP
Start	3919	End	4291
GI	uC-osflcyp033a04b1	Score	508
Exons	3919..4291		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	10366	Seq. ID	OJ990310_09.9819.C7
Gene No.	21934	Strand	-
Start	4487	End	18380
Name	OJ990310_09.9819.C7.o3.tm	Method	TBLASTX:Maize
Start	1905	End	2204
GI	none	Score	75
Exons	1905..2204, 2101..2190		

Seq. No.	10366	Seq. ID	OJ990310_09.9819.C7
Gene No.	21934	Strand	-
Start	4487	End	18380
Name	OJ990310_09.9819.C7.o5.tw	Method	TBLASTX:Wheat
Start	2085	End	2444
GI	none	Score	54
Exons	2085..2375, 2085..2444, 2089..2442		

Seq. No.	10366	Seq. ID	OJ990310_09.9819.C7
Gene No.	21934	Strand	-
Start	4487	End	18380
Name	OJ990310_09.9819.C7.o2.np	Method	AAT/NAP
Start	4487	End	11460
GI	6498441	Score	3958
Exons	4487..4508, 7749..8068, 8261..8673, 8848..8982, 9166..9539, 9603..10066, 10397..11460		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	10366	Seq. ID	OJ990310_09.9819.C7
Gene No.	21934	Strand	-
Start	4487	End	18380
Name	OJ990310_09.9819.C7.o1.np	Method	AAT/NAP
Start	4757	End	6999
GI	6907087	Score	1108
Exons	4757..4858, 5410..5858, 6177..6416, 6624..6999		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	10366	Seq. ID	OJ990310_09.9819.C7
Gene No.	21934	Strand	-
Start	4487	End	18380
Name	OJ990310_09.9819.C7.o6.tw	Method	TBLASTX:Wheat
Start	7734	End	8015
GI	none	Score	160
Exons	7734..8015, 7735..7998		

Seq. No.	10366	Seq. ID	OJ990310_09.9819.C7
Gene No.	21934	Strand	-
Start	4487	End	18380

Name	OJ990310_09.9819.C7.o4.np	Method	AAT/NAP
Start	8210	End	18380
GI	6580645	Score	69
Exons	8210..8364, 11550..11590, 18141..18224, 18316..18380		
GI Descrip.	(AL133469) putative secreted proline-rich protein [Streptomyces coelicolor A3(2)]		

Seq. No.	10366	Seq. ID	OJ990310_09.9819.C7
Gene No.	21934	Strand	-
Start	4487	End	18380
Name	OJ990310_09.9819.C7.o1.ts	Method	TBLASTX:Soybean
Start	8511	End	8882
GI	none	Score	90
Exons	8511..8882, 8722..8865		

Seq. No.	10366	Seq. ID	OJ990310_09.9819.C7
Gene No.	21934	Strand	-
Start	4487	End	18380
Name	OJ990310_09.9819.C7.o2.tw	Method	TBLASTX:Wheat
Start	8536	End	8960
GI	none	Score	327
Exons	8536..8955, 8541..8960		

Seq. No.	10366	Seq. ID	OJ990310_09.9819.C7
Gene No.	21934	Strand	-
Start	4487	End	18380
Name	OJ990310_09.9819.C7.o2.tm	Method	TBLASTX:Maize
Start	8634	End	9018
GI	none	Score	206
Exons	8634..9017, 8653..9018		

Seq. No.	10366	Seq. ID	OJ990310_09.9819.C7
Gene No.	21934	Strand	-
Start	4487	End	18380
Name	OJ990310_09.9819.C7.o1.tm	Method	TBLASTX:Maize
Start	9045	End	9401
GI	none	Score	105
Exons	9045..9314, 9045..9401, 9055..9366		

Seq. No.	10366	Seq. ID	OJ990310_09.9819.C7
Gene No.	21934	Strand	-
Start	4487	End	18380
Name	OJ990310_09.9819.C7.o1.tw	Method	TBLASTX:Wheat
Start	9069	End	9532
GI	none	Score	401
Exons	9069..9530, 9070..9531, 9356..9532		

Seq. No.	10366	Seq. ID	OJ990310_09.9819.C7
Gene No.	21934	Strand	-
Start	4487	End	18380
Name	OJ990310_09.9819.C7.o2.ts	Method	TBLASTX:Soybean
Start	9126	End	9491
GI	none	Score	117
Exons	9126..9260, 9267..9491		

Seq. No.	10366	Seq. ID	OJ990310_09.9819.C7
Gene No.	21934	Strand	-

Start	4487	End	18380
Name	OJ990310_09.9819.C7.o3.tw	Method	TBLASTX:Wheat
Start	9696	End	10182
GI	none	Score	172
Exons	9696..10181, 9700..9987, 10009..10182		

Seq. No.	10366	Seq. ID	OJ990310_09.9819.C7
Gene No.	21934	Strand	-
Start	4487	End	18380
Name	OJ990310_09.9819.C7.o4.tw	Method	TBLASTX:Wheat
Start	10920	End	11312
GI	none	Score	89
Exons	10920..11177, 10954..11193, 11160..11258, 11161..11241, 11265..11312		

Seq. No.	10366	Seq. ID	OJ990310_09.9819.C7
Gene No.	21934	Strand	-
Start	4487	End	18380
Name	OJ990310_09.9819.C7.o4.tm	Method	TBLASTX:Maize
Start	11022	End	11307
GI	none	Score	103
Exons	11022..11270, 11023..11307		

Seq. No.	10366	Seq. ID	OJ990310_09.9819.C7
Gene No.	21934	Strand	-
Start	4487	End	18380
Name	OJ990310_09.9819.C7.o4.gs	Method	GENSCAN
Start	14847	End	15911
GI	none	Score	.81
Exons	14847..14875, 15335..15534, 15886..15911		

Seq. No.	10367	Seq. ID	OJ990310_09.9819.C8
Gene No.	21935	Strand	+
Start	4658	End	9616
Name	OJ990310_09.9819.C8.o1.gp	Method	AAT/GAP
Start	4475	End	9429
GI	8228_1.R1084	Score	3010
Exons	4475..4766, 6369..6506, 6724..6866, 6961..7114, 7209..7438, 7981..8070, 8205..8378, 8472..8609, 8811..8948, 9049..9110, 9343..9429		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	10367	Seq. ID	OJ990310_09.9819.C8
Gene No.	21935	Strand	+
Start	4658	End	9616
Name	OJ990310_09.9819.C8.o2.gs	Method	GENSCAN
Start	4658	End	9616
GI	none	Score	.8
Exons	4658..4766, 6369..6506, 6724..6866, 6961..7114, 7209..7438, 7981..8070, 8205..8378, 8472..8609, 8811..8948, 9049..9110, 9343..9616		

Seq. No.	10367	Seq. ID	OJ990310_09.9819.C8
Gene No.	21935	Strand	+
Start	4658	End	9616
Name	OJ990310_09.9819.C8.o1.np	Method	AAT/NAP

Start	4667	End	9613
GI	1421730	Score	2287
Exons	4667..4766, 6360..6506, 6724..6866, 6961..7114, 7209..7438, 7981..8070, 8205..8378, 8472..8609, 8811..8948, 9049..9110, 9343..9613		
GI Descrip.	(U43082) RF2 [Zea mays]		

Seq. No.	10367	Seq. ID	OJ990310_09.9819.C8
Gene No.	21936	Strand	+
Start	14159	End	15544
Name	OJ990310_09.9819.C8.o2.np	Method	AAT/NAP
Start	14114	End	15544
GI	3757518	Score	667
Exons	14114..15544		
GI Descrip.	(AC005167) putative glucosyltransferase [Arabidopsis thaliana]		

Seq. No.	10367	Seq. ID	OJ990310_09.9819.C8
Gene No.	21936	Strand	+
Start	14159	End	15544
Name	OJ990310_09.9819.C8.o4.gs	Method	GENSCAN
Start	14159	End	15541
GI	none	Score	.53
Exons	14159..15541		

Seq. No.	10367	Seq. ID	OJ990310_09.9819.C8
Gene No.	21937	Strand	-
Start	11169	End	13574
Name	OJ990310_09.9819.C8.o1.tm	Method	TBLASTX:Maize
Start	6358	End	9619
GI	none	Score	182
Exons	6358..6504, 6360..6506, 6364..6510, 6365..6508, 6709..6780, 6719..6868, 6723..6866, 6958..7110, 6960..7115, 6961..7116, 6962..7117, 7185..7367, 7202..7444, 7204..7470, 7980..8063, 7980..8069, 7981..8073, 8202..8378, 8203..8298, 8204..8329, 8208..8378, 8469..8612, 8470..8604, 8471..8605, 8809..8949, 8811..8948, 9043..9120, 9046..9108, 9337..9618, 9344..9619		

Seq. No.	10367	Seq. ID	OJ990310_09.9819.C8
Gene No.	21937	Strand	-
Start	11169	End	13574
Name	OJ990310_09.9819.C8.o1.tc	Method	TBLASTX:Cress
Start	6410	End	9532
GI	none	Score	108
Exons	6410..6508, 6418..6510, 6722..6868, 6723..6866, 6960..7115, 6961..7116, 7202..7444, 7204..7443, 7980..8078, 7981..8073, 8207..8377, 8208..8378, 8469..8612, 8471..8608, 8856..8948, 8885..8950, 9024..9110, 9043..9120, 9337..9513, 9341..9487, 9500..9532		

Seq. No.	10367	Seq. ID	OJ990310_09.9819.C8
Gene No.	21937	Strand	-
Start	11169	End	13574
Name	OJ990310_09.9819.C8.o1.ts	Method	TBLASTX:Soybean
Start	6410	End	9645
GI	none	Score	120
Exons	6410..6508, 6418..6510, 6722..6868, 6723..6866, 6961..7116, 6970..7086, 6971..7126, 6972..7115, 7194..7442, 7202..7444,		

7204..7446, 7980..8078, 7981..8073, 8207..8374, 8208..8378,
8469..8618, 8470..8583, 8471..8608, 8807..8884, 8811..8948,
9015..9110, 9043..9111, 9337..9645, 9344..9637

Seq. No.	10367	Seq. ID	OJ990310_09.9819.C8
Gene No.	21937	Strand	-
Start	11169	End	13574
Name	OJ990310_09.9819.C8.o2.tw	Method	TBLASTX:Wheat
Start	6717	End	7228
GI	none	Score	130
Exons	6717..6857, 6722..6856, 6960..7118, 6964..7116, 7202..7228		

Seq. No.	10367	Seq. ID	OJ990310_09.9819.C8
Gene No.	21937	Strand	-
Start	11169	End	13574
Name	OJ990310_09.9819.C8.o3.tw	Method	TBLASTX:Wheat
Start	8872	End	9517
GI	none	Score	93
Exons	8872..8949, 8895..8948, 8902..8949, 8918..8950, 9043..9120, 9047..9094, 9336..9395, 9337..9516, 9340..9438, 9341..9517		

Seq. No.	10367	Seq. ID	OJ990310_09.9819.C8
Gene No.	21937	Strand	-
Start	11169	End	13574
Name	OJ990310_09.9819.C8.o3.gs	Method	GENSCAN
Start	11169	End	13574
GI	none	Score	.82
Exons	11169..11636, 11705..11787, 12385..12506, 12511..12821, 13572..13574		

Seq. No.	10367	Seq. ID	OJ990310_09.9819.C8
Gene No.	21938	Strand	
Start	14744	End	15508
Name	OJ990310_09.9819.C8.o2.ts	Method	TBLASTX:Soybean
Start	14744	End	15508
GI	none	Score	86
Exons	14744..14881, 14950..15108, 14951..15058, 15107..15508, 15124..15309, 15349..15477		

Seq. No.	10367	Seq. ID	OJ990310_09.9819.C8
Gene No.	21938	Strand	
Start	14744	End	15508
Name	OJ990310_09.9819.C8.o2.tm	Method	TBLASTX:Maize
Start	14777	End	15337
GI	none	Score	35
Exons	14777..14809, 14849..14890, 14945..15061, 15086..15337, 15145..15270		

Seq. No.	10367	Seq. ID	OJ990310_09.9819.C8
Gene No.	21938	Strand	
Start	14744	End	15508
Name	OJ990310_09.9819.C8.o2.tc	Method	TBLASTX:Cress
Start	14950	End	15502
GI	none	Score	91
Exons	14950..15081, 14951..15058, 15137..15340, 15169..15300, 15170..15310, 15343..15408, 15344..15502		

Seq. No.	10367	Seq. ID	OJ990310_09.9819.C8
Gene No.	21938	Strand	
Start	14744	End	15508
Name	OJ990310_09.9819.C8.o1.tw	Method	TBLASTX:Wheat
Start	14999	End	15316
GI	none	Score	254
Exons	14999..15316, 15184..15315		

Seq. No.	10368	Seq. ID	OJ990310_09.9819.C10
Gene No.	21939	Strand	+
Start	730	End	2791
Name	OJ990310_09.9819.C10.o2.np	Method	AAT/NAP
Start	730	End	2791
GI	6721561	Score	125
Exons	730..820, 2730..2791		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	10368	Seq. ID	OJ990310_09.9819.C10
Gene No.	21940	Strand	+
Start	3748	End	4901
Name	OJ990310_09.9819.C10.o1.gs	Method	GENSCAN
Start	3748	End	4901
GI	none	Score	.72
Exons	3748..3877, 3966..4699, 4778..4901		

Seq. No.	10368	Seq. ID	OJ990310_09.9819.C10
Gene No.	21941	Strand	-
Start	608	End	697
Name	OJ990310_09.9819.C10.o1.np	Method	AAT/NAP
Start	608	End	697
GI	4680183	Score	113
Exons	608..697		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	10369	Seq. ID	OJ990310_09.9819.C11
Gene No.	21942	Strand	+
Start	306	End	10725
Name	OJ990310_09.9819.C11.o1.gs	Method	GENSCAN
Start	306	End	9907
GI	none	Score	.71
Exons	306..1072, 1155..1325, 1492..1663, 2103..2141, 2458..2519, 2629..2717, 3469..3655, 3738..4125, 4266..4548, 4595..4711, 4734..4835, 5756..5979, 6087..6293, 7542..7756, 9668..9907		

Seq. No.	10369	Seq. ID	OJ990310_09.9819.C11
Gene No.	21942	Strand	+
Start	306	End	10725
Name	OJ990310_09.9819.C11.o1.gp	Method	AAT/GAP
Start	1481	End	2001
GI	LIB3431-001-P1-N1-B5	Score	758
Exons	1481..1663, 1769..2001		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	10369	Seq. ID	OJ990310_09.9819.C11
Gene No.	21942	Strand	+
Start	306	End	10725
Name	OJ990310_09.9819.C11.o1.np	Method	AAT/NAP
Start	5740	End	10725
GI	5123705	Score	633
Exons	5740..6276, 7663..7756, 9668..9833, 10635..10725		
GI Descrip.	(AL079347) amidase-like protein [Arabidopsis thaliana]		

Seq. No.	10369	Seq. ID	OJ990310_09.9819.C11
Gene No.	21942	Strand	+
Start	306	End	10725
Name	OJ990310_09.9819.C11.o1.ts	Method	TBLASTX:Soybean
Start	7572	End	9812
GI	none	Score	208
Exons	7572..7757, 7658..7756, 9669..9758, 9741..9812		

Seq. No.	10370	Seq. ID	OJ990310_09.9819.C12
Gene No.	21943	Strand	+
Start	695	End	4341
Name	OJ990310_09.9819.C12.o1.np	Method	AAT/NAP
Start	695	End	2384
GI	5123705	Score	438
Exons	695..935, 2031..2384		
GI Descrip.	(AL079347) amidase-like protein [Arabidopsis thaliana]		

Seq. No.	10370	Seq. ID	OJ990310_09.9819.C12
Gene No.	21943	Strand	+
Start	695	End	4341
Name	OJ990310_09.9819.C12.o1.gs	Method	GENSCAN
Start	737	End	4341
GI	none	Score	.77
Exons	737..935, 2031..2259, 2869..2986, 3727..3785, 4071..4091, 4229..4341		

Seq. No.	10370	Seq. ID	OJ990310_09.9819.C12
Gene No.	21944	Strand	-
Start	4894	End	14358
Name	OJ990310_09.9819.C12.o3.ts	Method	TBLASTX:Soybean
Start	2148	End	2372
GI	none	Score	101
Exons	2148..2264, 2177..2257, 2262..2372, 2267..2371		

Seq. No.	10370	Seq. ID	OJ990310_09.9819.C12
Gene No.	21944	Strand	-
Start	4894	End	14358
Name	OJ990310_09.9819.C12.o2.gs	Method	GENSCAN
Start	4894	End	14358
GI	none	Score	.84
Exons	4894..5283, 5376..5477, 5654..5746, 5830..6042, 6367..6623, 6706..6810, 6920..7199, 7297..7577, 7727..7859, 9448..10200, 10279..10372, 10450..12971, 13204..13380, 13914..13995, 14181..14358		

Seq. No.	10370	Seq. ID	OJ990310_09.9819.C12
Gene No.	21944	Strand	-

Start	4894	End	14358
Name	OJ990310_09.9819.C12.o8.tm	Method	TBLASTX:Maize
Start	4912	End	5477
GI	none	Score	35
Exons	4912..5124, 5021..5125, 5131..5247, 5156..5248, 5406..5477		

Seq. No.	10370	Seq. ID	OJ990310_09.9819.C12
Gene No.	21944	Strand	-
Start	4894	End	14358
Name	OJ990310_09.9819.C12.o4.tm	Method	TBLASTX:Maize
Start	5663	End	6027
GI	none	Score	70
Exons	5663..5737, 5676..5735, 5821..5973, 5821..6027, 5870..6025		

Seq. No.	10370	Seq. ID	OJ990310_09.9819.C12
Gene No.	21944	Strand	-
Start	4894	End	14358
Name	OJ990310_09.9819.C12.o7.tm	Method	TBLASTX:Maize
Start	6370	End	6595
GI	none	Score	141
Exons	6370..6594, 6371..6595, 6440..6595		

Seq. No.	10370	Seq. ID	OJ990310_09.9819.C12
Gene No.	21944	Strand	-
Start	4894	End	14358
Name	OJ990310_09.9819.C12.o1.gp	Method	AAT/GAP
Start	9125	End	9633
GI	3759080	Score	837
Exons	9125..9633		

Seq. No.	10370	Seq. ID	OJ990310_09.9819.C12
Gene No.	21944	Strand	-
Start	4894	End	14358
Name	OJ990310_09.9819.C12.o1.tw	Method	TBLASTX:Wheat
Start	9775	End	11099
GI	none	Score	77
Exons	9775..9954, 10039..10194, 10653..11099, 10654..10872, 10942..11049		

Seq. No.	10370	Seq. ID	OJ990310_09.9819.C12
Gene No.	21944	Strand	-
Start	4894	End	14358
Name	OJ990310_09.9819.C12.o6.tm	Method	TBLASTX:Maize
Start	9958	End	10302
GI	none	Score	91
Exons	9958..10194, 9961..10149, 9962..10180, 10273..10302		

Seq. No.	10370	Seq. ID	OJ990310_09.9819.C12
Gene No.	21944	Strand	-
Start	4894	End	14358
Name	OJ990310_09.9819.C12.o5.tm	Method	TBLASTX:Maize
Start	10467	End	10707
GI	none	Score	192
Exons	10467..10505, 10512..10706, 10528..10707, 10555..10707		

Seq. No.	10370	Seq. ID	OJ990310_09.9819.C12
Gene No.	21944	Strand	-

Start	4894	End	14358
Name	OJ990310_09.9819.C12.o2.gp	Method	AAT/GAP
Start	10517	End	11015
GI	20729_1.R1084	Score	927
Exons	10517..11015		
GI Descrip.	'5911167/gb|AAD55677.1| 3.0e-36 (AF136221) putative transposase protein [Zea mays]'		

Seq. No.	10370	Seq. ID	OJ990310_09.9819.C12
Gene No.	21944	Strand	-
Start	4894	End	14358
Name	OJ990310_09.9819.C12.o2.np	Method	AAT/NAP
Start	10620	End	12972
GI	5911167	Score	1635
Exons	10620..12972		
GI Descrip.	(AF136221) putative transposase protein [Zea mays]		

Seq. No.	10370	Seq. ID	OJ990310_09.9819.C12
Gene No.	21944	Strand	-
Start	4894	End	14358
Name	OJ990310_09.9819.C12.o1.tm	Method	TBLASTX:Maize
Start	10708	End	11200
GI	none	Score	446
Exons	10708..11196, 10709..10957, 10710..11195, 10976..11200		

Seq. No.	10370	Seq. ID	OJ990310_09.9819.C12
Gene No.	21944	Strand	-
Start	4894	End	14358
Name	OJ990310_09.9819.C12.o1.ts	Method	TBLASTX:Soybean
Start	10758	End	11147
GI	none	Score	116
Exons	10758..11000, 10759..10950, 10761..10952, 11013..11147, 11041..11094		

Seq. No.	10370	Seq. ID	OJ990310_09.9819.C12
Gene No.	21944	Strand	-
Start	4894	End	14358
Name	OJ990310_09.9819.C12.o3.tm	Method	TBLASTX:Maize
Start	11235	End	11680
GI	none	Score	176
Exons	11235..11453, 11248..11403, 11457..11678, 11459..11680		

Seq. No.	10370	Seq. ID	OJ990310_09.9819.C12
Gene No.	21944	Strand	-
Start	4894	End	14358
Name	OJ990310_09.9819.C12.o3.tw	Method	TBLASTX:Wheat
Start	11235	End	11436
GI	none	Score	70
Exons	11235..11303, 11304..11435, 11311..11436		

Seq. No.	10370	Seq. ID	OJ990310_09.9819.C12
Gene No.	21944	Strand	-
Start	4894	End	14358
Name	OJ990310_09.9819.C12.o2.tm	Method	TBLASTX:Maize
Start	11844	End	12302
GI	none	Score	226
Exons	11844..12152, 11847..12155, 11848..12156, 12147..12221,		

12148..12204, 12234..12296, 12234..12302

Seq. No.	10370	Seq. ID	OJ990310_09.9819.C12
Gene No.	21944	Strand	-
Start	4894	End	14358
Name	OJ990310_09.9819.C12.o1.tc	Method	TBLASTX:Cress
Start	11883	End	12224
GI	none	Score	99
Exons	11883..12095, 11886..12095, 12117..12224		

Seq. No.	10370	Seq. ID	OJ990310_09.9819.C12
Gene No.	21944	Strand	-
Start	4894	End	14358
Name	OJ990310_09.9819.C12.o2.tw	Method	TBLASTX:Wheat
Start	11979	End	12506
GI	none	Score	179
Exons	11979..12107, 12096..12230, 12237..12506		

Seq. No.	10370	Seq. ID	OJ990310_09.9819.C12
Gene No.	21944	Strand	-
Start	4894	End	14358
Name	OJ990310_09.9819.C12.o2.ts	Method	TBLASTX:Soybean
Start	12237	End	12575
GI	none	Score	71
Exons	12237..12575, 12247..12408		

Seq. No.	10371	Seq. ID	OJ990310_09.9819.C13
Gene No.	21945	Strand	+
Start	335	End	557
Name	OJ990310_09.9819.C13.o1.gs	Method	GENSCAN
Start	335	End	557
GI	none	Score	.85
Exons	335..385, 471..557		

Seq. No.	10371	Seq. ID	OJ990310_09.9819.C13
Gene No.	21946	Strand	+
Start	7131	End	8678
Name	OJ990310_09.9819.C13.o4.gs	Method	GENSCAN
Start	7131	End	8678
GI	none	Score	.59
Exons	7131..7353, 7632..7686, 8333..8423, 8610..8678		

Seq. No.	10371	Seq. ID	OJ990310_09.9819.C13
Gene No.	21947	Strand	-
Start	1217	End	1738
Name	OJ990310_09.9819.C13.o2.gs	Method	GENSCAN
Start	1217	End	1738
GI	none	Score	1
Exons	1217..1738		

Seq. No.	10371	Seq. ID	OJ990310_09.9819.C13
Gene No.	21948	Strand	-
Start	4793	End	6017
Name	OJ990310_09.9819.C13.o3.gs	Method	GENSCAN
Start	4793	End	6017
GI	none	Score	.84
Exons	4793..4950, 5653..5739, 5957..6017		

Seq. No.	10371	Seq. ID	OJ990310_09.9819.C13
Gene No.	21949	Strand	-
Start	10756	End	14138
Name	OJ990310_09.9819.C13.o5.gs	Method	GENSCAN
Start	10756	End	14138
GI	none	Score	.89
Exons	10756..11129, 11228..14138		

Seq. No.	10371	Seq. ID	OJ990310_09.9819.C13
Gene No.	21949	Strand	-
Start	10756	End	14138
Name	OJ990310_09.9819.C13.o1.np	Method	AAT/NAP
Start	10780	End	14135
GI	2586083	Score	1415
Exons	10780..11129, 11228..12991, 13283..13486, 13562..14135		
GI Descrip.	(U72725) receptor kinase-like protein [Oryza longistaminata]		

Seq. No.	10371	Seq. ID	OJ990310_09.9819.C13
Gene No.	21949	Strand	-
Start	10756	End	14138
Name	OJ990310_09.9819.C13.o1.tm	Method	TBLASTX:Maize
Start	10828	End	11355
GI	none	Score	257
Exons	10828..11142, 10859..11131, 11212..11352, 11228..11353, 11229..11354, 11229..11354, 11230..11355		

Seq. No.	10371	Seq. ID	OJ990310_09.9819.C13
Gene No.	21949	Strand	-
Start	10756	End	14138
Name	OJ990310_09.9819.C13.o1.ts	Method	TBLASTX:Soybean
Start	10999	End	13925
GI	none	Score	70
Exons	10999..11130, 11229..11369, 11412..11609, 11973..12443, 11974..12060, 12030..12230, 12033..12473, 12033..12452, 12036..12347, 12081..12458, 12105..12458, 12177..12464, 12471..12704, 12474..12728, 12474..12803, 12474..12788, 12474..12704, 12486..12728, 12555..12707, 12729..12821, 12819..13277, 12840..13136, 12840..13136, 12840..13136, 12852..13319, 12855..13070, 12982..13143, 13140..13304, 13143..13331, 13149..13538, 13201..13509, 13326..13550, 13347..13544, 13347..13514, 13347..13865, 13347..13529, 13347..13529, 13348..13518, 13533..13736, 13536..13892, 13557..13925, 13557..13895, 13557..13871, 13566..13865, 13638..13904, 13639..13797, 13695..13871		

Seq. No.	10371	Seq. ID	OJ990310_09.9819.C13
Gene No.	21949	Strand	-
Start	10756	End	14138
Name	OJ990310_09.9819.C13.o1.tc	Method	TBLASTX:Cress
Start	11041	End	13904
GI	none	Score	67
Exons	11041..11130, 11209..11358, 11229..11369, 11412..11618, 11482..11517, 11655..11735, 11976..12443, 11989..12186, 12033..12458, 12033..12230, 12033..12281, 12033..12155, 12036..12350, 12036..12338, 12126..12347, 12180..12452, 12225..12452, 12273..12434, 12321..12443, 12471..12704,		

12474..12728, 12474..12770, 12474..12704, 12474..12677,
12474..12584, 12474..12728, 12477..12704, 12492..12704,
12492..12782, 12607..12774, 12630..12704, 12702..12821,
12801..13136, 12801..13028, 12825..13130, 12840..13328,
12840..13136, 12909..13136, 12972..13151, 13047..13136,
13134..13322, 13143..13583, 13200..13367, 13335..13514,
13341..13538, 13347..13538, 13347..13553, 13347..13550,
13347..13538, 13347..13556, 13533..13757, 13536..13904,
13539..13865, 13551..13901, 13557..13865, 13560..13694,
13566..13868, 13620..13871, 13800..13865

Seq. No.	10371	Seq. ID	OJ990310_09.9819.C13
Gene No.	21949	Strand	-
Start	10756	End	14138
Name	OJ990310_09.9819.C13.o2.tm	Method	TBLASTX:Maize
Start	11523	End	11786
GI	none	Score	239
Exons	11523..11786, 11524..11778, 11525..11779		

Seq. No.	10371	Seq. ID	OJ990310_09.9819.C13
Gene No.	21949	Strand	-
Start	10756	End	14138
Name	OJ990310_09.9819.C13.o1.tw	Method	TBLASTX:Wheat
Start	12036	End	13892
GI	none	Score	67
Exons	12036..12227, 12081..12272, 12126..12338, 12486..12833, 12801..12962, 12846..13028, 13512..13757, 13629..13829, 13639..13794, 13659..13892		

Seq. No.	10371	Seq. ID	OJ990310_09.9819.C13
Gene No.	21949	Strand	-
Start	10756	End	14138
Name	OJ990310_09.9819.C13.o3.tm	Method	TBLASTX:Maize
Start	12183	End	13907
GI	none	Score	75
Exons	12183..12455, 12234..12317, 12474..12695, 12474..12695, 12492..12584, 12708..12776, 12729..12833, 12735..12836, 12816..12998, 12822..13253, 12844..13014, 12960..13031, 13042..13137, 13143..13304, 13227..13328, 13228..13329, 13329..13538, 13341..13508, 13347..13562, 13347..13439, 13374..13475, 13392..13466, 13428..13550, 13473..13562, 13512..13799, 13569..13871, 13636..13800, 13641..13904, 13713..13907		

Seq. No.	10372	Seq. ID	OJ990310_09.9819.C14
Gene No.	21950	Strand	+
Start	238	End	712
Name	OJ990310_09.9819.C14.o1.tc	Method	TBLASTX:Cress
Start	136	End	278
GI	none	Score	200
Exons	136..276, 137..277, 138..278, 144..278		

Seq. No.	10372	Seq. ID	OJ990310_09.9819.C14
Gene No.	21950	Strand	+
Start	238	End	712
Name	OJ990310_09.9819.C14.o1.gs	Method	GENSCAN
Start	238	End	706

GI	none	Score	.94
Exons	238..706		

Seq. No.	10372	Seq. ID	OJ990310_09.9819.C14
Gene No.	21950	Strand	+
Start	238	End	712
Name	OJ990310_09.9819.C14.o1.np	Method	AAT/NAP
Start	238	End	712
GI	5103193	Score	792
Exons	238..712		
GI Descrip.	(AP000342) transposase of Tn10 [Plasmid R100] gi|5738084|gb|AAD50242.1|AF162223_1 (AF162223) IS10-left transposase [Shigella flexneri]		

Seq. No.	10373	Seq. ID	OJ990310_09.9819.C15
Gene No.	21951	Strand	+
Start	1	End	415
Name	OJ990310_09.9819.C15.o1.np	Method	AAT/NAP
Start	1	End	412
GI	418604	Score	642
Exons	1..412		
GI Descrip.	HYPOTHETICAL 35.6 KD PROTEIN IN RPME-TDK INTERGENIC REGION (ORFP)		

Seq. No.	10373	Seq. ID	OJ990310_09.9819.C15
Gene No.	21951	Strand	+
Start	1	End	415
Name	OJ990310_09.9819.C15.o1.gs	Method	GENSCAN
Start	71	End	415
GI	none	Score	.64
Exons	71..415		

Seq. No.	10374	Seq. ID	OJ990310_09.9819.C16
Gene No.	21952	Strand	+
Start	13	End	328
Name	OJ990310_09.9819.C16.o1.gs	Method	GENSCAN
Start	13	End	328
GI	none	Score	.95
Exons	13..328		

Seq. No.	10374	Seq. ID	OJ990310_09.9819.C16
Gene No.	21953	Strand	-
Start	1	End	339
Name	OJ990310_09.9819.C16.o1.np	Method	AAT/NAP
Start	1	End	339
GI	5123705	Score	154
Exons	1..339		
GI Descrip.	(AL079347) amidase-like protein [Arabidopsis thaliana]		

Seq. No.	10375	Seq. ID	OJ990310_09.9819.C17
Gene No.	21954	Strand	+
Start	403	End	504
Name	OJ990310_09.9819.C17.o1.gs	Method	GENSCAN
Start	403	End	504
GI	none	Score	.99
Exons	403..504		

Seq. No.	10376	Seq. ID	OJ990310_09.9819.C18
Gene No.	21955	Strand	+
Start	93	End	521
Name	OJ990310_09.9819.C18.o1.gs	Method	GENSCAN
Start	93	End	521
GI	none	Score	.55
Exons	93..521		

Seq. No.	10377	Seq. ID	OJ990310_09.9819.C19
Gene No.	21956	Strand	+
Start	1	End	1034
Name	OJ990310_09.9819.C19.o1.np	Method	AAT/NAP
Start	1	End	1034
GI	4680186	Score	218
Exons	1..52, 829..1034		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	10377	Seq. ID	OJ990310_09.9819.C19
Gene No.	21957	Strand	-
Start	84	End	588
Name	OJ990310_09.9819.C19.o1.gs	Method	GENSCAN
Start	84	End	588
GI	none	Score	.84
Exons	84..150, 512..588		

Seq. No.	10377	Seq. ID	OJ990310_09.9819.C19
Gene No.	21958	Strand	-
Start	590	End	962
Name	OJ990310_09.9819.C19.o1.gp	Method	AAT/GAP
Start	590	End	962
GI	uC-osflcyp033a04b1	Score	508
Exons	590..962		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	10378	Seq. ID	OJ990310_09.9819.C20
Gene No.	21959	Strand	+
Start	1	End	519
Name	OJ990310_09.9819.C20.o1.np	Method	AAT/NAP
Start	1	End	519
GI	2130082	Score	281
Exons	1..519		
GI Descrip.	protein kinase Xa21 (EC 2.7.1.-) - rice gi|1122443 (U37133) receptor kinase-like protein [Oryza sativa] gi|2586085 (U72723) receptor kinase-like protein [Oryza longistaminata] gi|1586408|prf||2203451A receptor kinase-like protein [Oryza sativa]		

Seq. No.	10378	Seq. ID	OJ990310_09.9819.C20
Gene No.	21960	Strand	+
Start	826	End	6721
Name	OJ990310_09.9819.C20.o2.ts	Method	TBLASTX:Soybean
Start	1	End	492
GI	none	Score	124
Exons	1..288, 7..384, 7..360, 10..432, 13..432, 22..492, 118..429, 235..435, 405..491		

Seq. No.	10378	Seq. ID	OJ990310_09.9819.C20
Gene No.	21960	Strand	+
Start	826	End	6721
Name	OJ990310_09.9819.C20.o2.tc	Method	TBLASTX:Cress
Start	4	End	465
GI	none	Score	144
Exons	4..357, 12..146, 13..156, 118..438, 132..284, 157..288, 157..300, 229..360, 238..432, 295..465, 315..461		

Seq. No.	10378	Seq. ID	OJ990310_09.9819.C20
Gene No.	21960	Strand	+
Start	826	End	6721
Name	OJ990310_09.9819.C20.o3.tm	Method	TBLASTX:Maize
Start	13	End	492
GI	none	Score	113
Exons	13..285, 22..357, 115..492		

Seq. No.	10378	Seq. ID	OJ990310_09.9819.C20
Gene No.	21960	Strand	+
Start	826	End	6721
Name	OJ990310_09.9819.C20.o1.gs	Method	GENSCAN
Start	826	End	6690
GI	none	Score	.81
Exons	826..1005, 3207..3311, 3374..3457, 4034..4988, 5223..6148, 6194..6690		

Seq. No.	10378	Seq. ID	OJ990310_09.9819.C20
Gene No.	21960	Strand	+
Start	826	End	6721
Name	OJ990310_09.9819.C20.o2.np	Method	AAT/NAP
Start	2565	End	6721
GI	4680203	Score	1275
Exons	2565..2604, 4034..5755, 5912..6136, 6413..6721		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	10378	Seq. ID	OJ990310_09.9819.C20
Gene No.	21960	Strand	+
Start	826	End	6721
Name	OJ990310_09.9819.C20.o3.tw	Method	TBLASTX:Wheat
Start	4535	End	4972
GI	none	Score	208
Exons	4535..4819, 4549..4821, 4877..4972		

Seq. No.	10378	Seq. ID	OJ990310_09.9819.C20
Gene No.	21960	Strand	+
Start	826	End	6721
Name	OJ990310_09.9819.C20.o1.ts	Method	TBLASTX:Soybean
Start	4547	End	4819
GI	none	Score	283
Exons	4547..4819, 4564..4812		

Seq. No.	10378	Seq. ID	OJ990310_09.9819.C20
Gene No.	21960	Strand	+
Start	826	End	6721
Name	OJ990310_09.9819.C20.o3.tc	Method	TBLASTX:Cress
Start	4874	End	5206
GI	none	Score	65

Exons	4874..4972, 4981..5010, 4982..5206, 5044..5151		
Seq. No.	10378	Seq. ID	OJ990310_09.9819.C20
Gene No.	21960	Strand	+
Start	826	End	6721
Name	OJ990310_09.9819.C20.o2.tw	Method	TBLASTX:Wheat
Start	4979	End	5293
GI	none	Score	311
Exons	4979..5293, 5008..5247		
Seq. No.	10378	Seq. ID	OJ990310_09.9819.C20
Gene No.	21960	Strand	+
Start	826	End	6721
Name	OJ990310_09.9819.C20.o2.tm	Method	TBLASTX:Maize
Start	5012	End	5497
GI	none	Score	102
Exons	5012..5116, 5020..5115, 5119..5211, 5123..5212, 5280..5315, 5309..5356, 5357..5404, 5404..5493, 5408..5497		
Seq. No.	10378	Seq. ID	OJ990310_09.9819.C20
Gene No.	21960	Strand	+
Start	826	End	6721
Name	OJ990310_09.9819.C20.o1.tm	Method	TBLASTX:Maize
Start	6002	End	6385
GI	none	Score	63
Exons	6002..6070, 6070..6384, 6071..6385		
Seq. No.	10378	Seq. ID	OJ990310_09.9819.C20
Gene No.	21960	Strand	+
Start	826	End	6721
Name	OJ990310_09.9819.C20.o1.tw	Method	TBLASTX:Wheat
Start	6026	End	6673
GI	none	Score	465
Exons	6026..6673, 6079..6207, 6257..6562, 6271..6654		
Seq. No.	10378	Seq. ID	OJ990310_09.9819.C20
Gene No.	21960	Strand	+
Start	826	End	6721
Name	OJ990310_09.9819.C20.o1.tc	Method	TBLASTX:Cress
Start	6317	End	6673
GI	none	Score	259
Exons	6317..6673, 6325..6654		
Seq. No.	10379	Seq. ID	OJ990310_09.9819.C21
Gene No.	21961	Strand	+
Start	1	End	1431
Name	OJ990310_09.9819.C21.o1.np	Method	AAT/NAP
Start	1	End	1431
GI	5305335	Score	178
Exons	1..95, 645..1181, 1415..1431		
GI Descrip.	(AF071081) proline-rich mucin homolog [Mycobacterium tuberculosis]		
Seq. No.	10380	Seq. ID	OJ990310_09.9819.C23
Gene No.	21962	Strand	+
Start	108	End	251
Name	OJ990310_09.9819.C23.o1.gs	Method	GENSCAN

Start	108	End	251
GI	none	Score	.49
Exons	108..251		

Seq. No.	10381	Seq. ID	OJ990310_09.9819.C24
Gene No.	21963	Strand	-
Start	98	End	336
Name	OJ990310_09.9819.C24.o1.gs	Method	GENSCAN
Start	98	End	320
GI	none	Score	.69
Exons	98..320		

Seq. No.	10381	Seq. ID	OJ990310_09.9819.C24
Gene No.	21963	Strand	-
Start	98	End	336
Name	OJ990310_09.9819.C24.o1.ts	Method	TBLASTX:Soybean
Start	128	End	336
GI	none	Score	80
Exons	128..262, 175..336, 184..336		

Seq. No.	10382	Seq. ID	OJ990310_09.9819.C26
Gene No.	21964	Strand	+
Start	1	End	1362
Name	OJ990310_09.9819.C26.o1.np	Method	AAT/NAP
Start	1	End	1362
GI	2130082	Score	345
Exons	1..29, 474..1362		
GI Descrip.	protein kinase Xa21 (EC 2.7.1.-) - rice gi|1122443 (U37133) receptor kinase-like protein [Oryza sativa] gi|2586085 (U72723) receptor kinase-like protein [Oryza longistaminata] gi|1586408|prf||2203451A receptor kinase-like protein [Oryza sativa]		

Seq. No.	10382	Seq. ID	OJ990310_09.9819.C26
Gene No.	21964	Strand	+
Start	1	End	1362
Name	OJ990310_09.9819.C26.o1.ts	Method	TBLASTX:Soybean
Start	491	End	1086
GI	none	Score	37
Exons	491..565, 586..1026, 595..882, 601..978, 601..954, 607..1026, 616..1086, 712..1023, 829..1029, 999..1085		

Seq. No.	10382	Seq. ID	OJ990310_09.9819.C26
Gene No.	21964	Strand	+
Start	1	End	1362
Name	OJ990310_09.9819.C26.o1.tc	Method	TBLASTX:Cress
Start	598	End	1059
GI	none	Score	144
Exons	598..951, 606..740, 607..750, 712..1032, 726..878, 751..882, 751..894, 823..954, 832..1026, 889..1059, 909..1055		

Seq. No.	10382	Seq. ID	OJ990310_09.9819.C26
Gene No.	21964	Strand	+
Start	1	End	1362
Name	OJ990310_09.9819.C26.o1.tm	Method	TBLASTX:Maize
Start	607	End	1086
GI	none	Score	113

Exons 607..879, 616..951, 709..1086

Seq. No.	10383	Seq. ID	OJ990310_09.9819.C28
Gene No.	21965	Strand	-
Start	102	End	300
Name	OJ990310_09.9819.C28.o1.gs	Method	GENSCAN
Start	102	End	300
GI	none	Score	.59
Exons	102..300		

Seq. No.	10384	Seq. ID	OJ990430_07.9819.C1
Gene No.	21966	Strand	-
Start	179	End	1085
Name	OJ990430_07.9819.C1.o1.np	Method	AAT/NAP
Start	130	End	1085
GI	5852178	Score	591
Exons	130..224, 588..692, 724..976, 1035..1085		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	10384	Seq. ID	OJ990430_07.9819.C1
Gene No.	21966	Strand	-
Start	179	End	1085
Name	OJ990430_07.9819.C1.o1.gs	Method	GENSCAN
Start	179	End	1035
GI	none	Score	.78
Exons	179..224, 588..692, 724..927, 965..1035		

Seq. No.	10385	Seq. ID	OJ990430_07.9819.C2
Gene No.	21967	Strand	+
Start	1312	End	6674
Name	OJ990430_07.9819.C2.o2.np	Method	AAT/NAP
Start	1312	End	6674
GI	5852176	Score	405
Exons	1312..1427, 6141..6365, 6636..6674		
GI Descrip.	(AL117265) zhb0006.1 [Oryza sativa]		

Seq. No.	10385	Seq. ID	OJ990430_07.9819.C2
Gene No.	21968	Strand	-
Start	90	End	157
Name	OJ990430_07.9819.C2.o1.gp	Method	AAT/GAP
Start	90	End	157
GI	61430_1.R1084	Score	90
Exons	90..157		
GI Descrip.	'14394/emb|Z14060|MISCREPU4 0.0e+00 T.aestivum mitochondrion fMet, 18S, 5S repeat unit DNA'		

Seq. No.	10385	Seq. ID	OJ990430_07.9819.C2
Gene No.	21969	Strand	-
Start	573	End	2222
Name	OJ990430_07.9819.C2.o1.np	Method	AAT/NAP
Start	573	End	2222
GI	5852177	Score	501
Exons	573..762, 2098..2222		
GI Descrip.	(AL117265) zhb0007.1 [Oryza sativa]		

Seq. No.	10385	Seq. ID	OJ990430_07.9819.C2
Gene No.	21970	Strand	-

Start	5663	End	8948
Name	OJ990430_07.9819.C2.o2.gp	Method	AAT/GAP
Start	5380	End	5927
GI	uC-osflcyp157a08b1	Score	1084
Exons	5380..5927		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-50 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	10385	Seq. ID	OJ990430_07.9819.C2
Gene No.	21970	Strand	-
Start	5663	End	8948
Name	OJ990430_07.9819.C2.o2.tm	Method	TBLASTX:Maize
Start	5621	End	5874
GI	none	Score	289
Exons	5621..5851, 5622..5855, 5625..5855, 5635..5874		

Seq. No.	10385	Seq. ID	OJ990430_07.9819.C2
Gene No.	21970	Strand	-
Start	5663	End	8948
Name	OJ990430_07.9819.C2.o2.gs	Method	GENSCAN
Start	5663	End	8513
GI	none	Score	.72
Exons	5663..6426, 7156..7280, 8290..8513		

Seq. No.	10385	Seq. ID	OJ990430_07.9819.C2
Gene No.	21970	Strand	-
Start	5663	End	8948
Name	OJ990430_07.9819.C2.o2.ts	Method	TBLASTX:Soybean
Start	5681	End	5882
GI	none	Score	98
Exons	5681..5881, 5690..5866, 5703..5882		

Seq. No.	10385	Seq. ID	OJ990430_07.9819.C2
Gene No.	21970	Strand	-
Start	5663	End	8948
Name	OJ990430_07.9819.C2.o1.tc	Method	TBLASTX:Cress
Start	5738	End	8543
GI	none	Score	83
Exons	5738..5830, 5975..6208, 6299..6403, 8457..8543		

Seq. No.	10385	Seq. ID	OJ990430_07.9819.C2
Gene No.	21970	Strand	-
Start	5663	End	8948
Name	OJ990430_07.9819.C2.o1.ts	Method	TBLASTX:Soybean
Start	5889	End	6220
GI	none	Score	269
Exons	5889..6209, 5924..6220		

Seq. No.	10385	Seq. ID	OJ990430_07.9819.C2
Gene No.	21970	Strand	-
Start	5663	End	8948
Name	OJ990430_07.9819.C2.o1.tm	Method	TBLASTX:Maize
Start	5936	End	8499
GI	none	Score	644
Exons	5936..6427, 5937..6428, 5937..6428, 5962..6429, 7150..7278, 7154..7282, 7156..7281, 7212..7283, 8287..8400, 8292..8408, 8298..8378, 8388..8483, 8404..8493, 8404..8499		

Seq. No.	10385	Seq. ID	OJ990430_07.9819.C2
Gene No.	21970	Strand	-
Start	5663	End	8948
Name	OJ990430_07.9819.C2.o3.np	Method	AAT/NAP
Start	8259	End	8948
GI	5852175	Score	1092
Exons	8259..8948		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		

Seq. No.	10386	Seq. ID	OJ990430_07.9819.C3
Gene No.	21971	Strand	+
Start	272	End	2539
Name	OJ990430_07.9819.C3.o1.gs	Method	GENSCAN
Start	272	End	2539
GI	none	Score	.49
Exons	272..347, 1785..1842, 1920..2050, 2133..2539		

Seq. No.	10386	Seq. ID	OJ990430_07.9819.C3
Gene No.	21972	Strand	-
Start	1	End	4590
Name	OJ990430_07.9819.C3.o1.np	Method	AAT/NAP
Start	1	End	4590
GI	5852175	Score	1628
Exons	1..115, 1509..1665, 1993..2209, 2445..2497, 2978..3059, 3176..3454, 4290..4590		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		

Seq. No.	10386	Seq. ID	OJ990430_07.9819.C3
Gene No.	21972	Strand	-
Start	1	End	4590
Name	OJ990430_07.9819.C3.o2.gs	Method	GENSCAN
Start	3090	End	4572
GI	none	Score	.62
Exons	3090..3862, 4290..4572		

Seq. No.	10387	Seq. ID	OJ990430_07.9819.C4
Gene No.	21973	Strand	+
Start	168	End	1337
Name	OJ990430_07.9819.C4.o1.gs	Method	GENSCAN
Start	168	End	1337
GI	none	Score	.48
Exons	168..292, 707..742, 1229..1337		

Seq. No.	10387	Seq. ID	OJ990430_07.9819.C4
Gene No.	21974	Strand	-
Start	1	End	244
Name	OJ990430_07.9819.C4.o1.np	Method	AAT/NAP
Start	1	End	244
GI	5852175	Score	155
Exons	1..244		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		

Seq. No.	10388	Seq. ID	OJ990430_07.9819.C5
Gene No.	21975	Strand	+
Start	454	End	694
Name	OJ990430_07.9819.C5.o1.gs	Method	GENSCAN

Start	454	End	694
GI	none	Score	.52
Exons	454..507, 604..694		

Seq. No.	10388	Seq. ID	OJ990430_07.9819.C5
Gene No.	21976	Strand	+
Start	604	End	805
Name	OJ990430_07.9819.C5.o1.np	Method	AAT/NAP
Start	604	End	805
GI	4680186	Score	264
Exons	604..805		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	10388	Seq. ID	OJ990430_07.9819.C5
Gene No.	21977	Strand	-
Start	356	End	738
Name	OJ990430_07.9819.C5.o1.gp	Method	AAT/GAP
Start	356	End	738
GI	uC-osflcyp033a04b1	Score	628
Exons	356..738		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	10389	Seq. ID	OJ990430_07.9819.C7
Gene No.	21978	Strand	-
Start	347	End	777
Name	OJ990430_07.9819.C7.o1.np	Method	AAT/NAP
Start	347	End	777
GI	5852173	Score	570
Exons	347..777		
GI Descrip.	(AL117265) zhb0003.1 [Oryza sativa]		

Seq. No.	10390	Seq. ID	OJ990430_07.9819.C10
Gene No.	21979	Strand	+
Start	1	End	6009
Name	OJ990430_07.9819.C10.o1.np	Method	AAT/NAP
Start	1	End	6009
GI	5852180	Score	813
Exons	1..28, 567..614, 967..1068, 2122..2251, 2555..2656, 3035..3095, 3158..3227, 5226..5343, 5952..6009		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	10390	Seq. ID	OJ990430_07.9819.C10
Gene No.	21979	Strand	+
Start	1	End	6009
Name	OJ990430_07.9819.C10.o1.gs	Method	GENSCAN
Start	446	End	5449
GI	none	Score	.41
Exons	446..566, 2555..2656, 3035..3095, 3158..3227, 5426..5449		

Seq. No.	10391	Seq. ID	OJ990430_07.9819.C11
Gene No.	21980	Strand	+
Start	1	End	3811
Name	OJ990430_07.9819.C11.o1.np	Method	AAT/NAP
Start	1	End	3811
GI	5852180	Score	134
Exons	1..28, 1093..1172, 1556..1675, 3703..3811		

GI Descrip. (AL117265) zhb00010.1 [Oryza sativa]

Seq. No.	10391	Seq. ID	OJ990430_07.9819.C11
Gene No.	21980	Strand	+
Start	1	End	3811
Name	OJ990430_07.9819.C11.o1.gs	Method	GENSCAN
Start	1608	End	2312
GI	none	Score	.64
Exons	1608..1665, 2173..2312		

Seq. No.	10391	Seq. ID	OJ990430_07.9819.C11
Gene No.	21981	Strand	-
Start	2937	End	5073
Name	OJ990430_07.9819.C11.o2.gs	Method	GENSCAN
Start	2937	End	5073
GI	none	Score	.83
Exons	2937..3052, 3788..3937, 4073..4106, 4348..4378, 4862..4926, 4978..5073		

Seq. No.	10392	Seq. ID	OJ990430_07.9819.C12
Gene No.	21982	Strand	+
Start	1	End	6814
Name	OJ990430_07.9819.C12.o1.np	Method	AAT/NAP
Start	1	End	6814
GI	5852179	Score	520
Exons	1..99, 1678..1922, 2664..2685, 6696..6814		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	10392	Seq. ID	OJ990430_07.9819.C12
Gene No.	21983	Strand	-
Start	6708	End	6809
Name	OJ990430_07.9819.C12.o2.gp	Method	AAT/GAP
Start	6368	End	6770
GI	2311596	Score	748
Exons	6368..6770		
GI Descrip.	5852170/emb|AL117265.1|OST17804 0.0e+00 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	10392	Seq. ID	OJ990430_07.9819.C12
Gene No.	21983	Strand	-
Start	6708	End	6809
Name	OJ990430_07.9819.C12.o2.gs	Method	GENSCAN
Start	6708	End	6809
GI	none	Score	.66
Exons	6708..6809		

Seq. No.	10393	Seq. ID	OJ990430_07.9819.C13
Gene No.	21984	Strand	+
Start	913	End	982
Name	OJ990430_07.9819.C13.o1.gs	Method	GENSCAN
Start	913	End	982
GI	none	Score	.71
Exons	913..982		

Seq. No.	10394	Seq. ID	OJ990430_07.9819.C14
Gene No.	21985	Strand	+
Start	365	End	486

Name	OJ990430_07.9819.C14.o1.np	Method	AAT/NAP
Start	365	End	486
GI	5852175	Score	144
Exons	365..486		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		

Seq. No.	10395	Seq. ID	OJ990430_07.9819.C15
Gene No.	21986	Strand	+
Start	1	End	1002
Name	OJ990430_07.9819.C15.o1.np	Method	AAT/NAP
Start	1	End	1002
GI	5852180	Score	98
Exons	1..23, 179..423, 941..1002		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	10395	Seq. ID	OJ990430_07.9819.C15
Gene No.	21986	Strand	+
Start	1	End	1002
Name	OJ990430_07.9819.C15.o1.gs	Method	GENSCAN
Start	612	End	749
GI	none	Score	.83
Exons	612..749		

Seq. No.	10396	Seq. ID	OJ990430_07.9819.C17
Gene No.	21987	Strand	+
Start	1352	End	6957
Name	OJ990430_07.9819.C17.o1.gs	Method	GENSCAN
Start	1352	End	4744
GI	none	Score	.41
Exons	1352..2578, 2701..2913, 3007..3858, 4187..4320, 4681..4744		

Seq. No.	10396	Seq. ID	OJ990430_07.9819.C17
Gene No.	21987	Strand	+
Start	1352	End	6957
Name	OJ990430_07.9819.C17.o1.np	Method	AAT/NAP
Start	2111	End	6957
GI	4680179	Score	529
Exons	2111..2227, 2629..3402, 3573..3778, 6858..6957		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	10396	Seq. ID	OJ990430_07.9819.C17
Gene No.	21987	Strand	+
Start	1352	End	6957
Name	OJ990430_07.9819.C17.o2.gs	Method	GENSCAN
Start	6127	End	6501
GI	none	Score	1
Exons	6127..6501		

Seq. No.	10396	Seq. ID	OJ990430_07.9819.C17
Gene No.	21988	Strand	-
Start	644	End	6957
Name	OJ990430_07.9819.C17.o2.np	Method	AAT/NAP
Start	644	End	6957
GI	5852180	Score	343
Exons	644..675, 5447..5548, 6249..6628, 6846..6957		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	10396	Seq. ID	OJ990430_07.9819.C17
Gene No.	21988	Strand	-
Start	644	End	6957
Name	OJ990430_07.9819.C17.o1.tw	Method	TBLASTX:Wheat
Start	3001	End	3357
GI	none	Score	249
Exons	3001..3357		

Seq. No.	10397	Seq. ID	OJ990430_07.9819.C18
Gene No.	21989	Strand	+
Start	674	End	5752
Name	OJ990430_07.9819.C18.o1.gs	Method	GENSCAN
Start	674	End	5655
GI	none	Score	.53
Exons	674..778, 2318..2711, 2757..5655		

Seq. No.	10397	Seq. ID	OJ990430_07.9819.C18
Gene No.	21989	Strand	+
Start	674	End	5752
Name	OJ990430_07.9819.C18.o2.np	Method	AAT/NAP
Start	2318	End	5752
GI	6721517	Score	4026
Exons	2318..2399, 2437..2559, 2618..3394, 3443..5415, 5620..5752		
GI Descrip.	(AP001072) Similar to polyprotein. (AF061282) [Oryza sativa]		

Seq. No.	10397	Seq. ID	OJ990430_07.9819.C18
Gene No.	21990	Strand	-
Start	552	End	5840
Name	OJ990430_07.9819.C18.o1.np	Method	AAT/NAP
Start	552	End	5840
GI	4680183	Score	140
Exons	552..641, 5730..5840		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	10397	Seq. ID	OJ990430_07.9819.C18
Gene No.	21990	Strand	-
Start	552	End	5840
Name	OJ990430_07.9819.C18.o5.tw	Method	TBLASTX:Wheat
Start	2531	End	2911
GI	none	Score	289
Exons	2531..2911, 2551..2910		

Seq. No.	10397	Seq. ID	OJ990430_07.9819.C18
Gene No.	21990	Strand	-
Start	552	End	5840
Name	OJ990430_07.9819.C18.o4.tm	Method	TBLASTX:Maize
Start	2792	End	3124
GI	none	Score	226
Exons	2792..3124, 2815..2979		

Seq. No.	10397	Seq. ID	OJ990430_07.9819.C18
Gene No.	21990	Strand	-
Start	552	End	5840
Name	OJ990430_07.9819.C18.o6.tw	Method	TBLASTX:Wheat
Start	3452	End	3853
GI	none	Score	149
Exons	3452..3676, 3466..3618, 3680..3853, 3713..3772, 3754..3822		

Seq. No.	10397	Seq. ID	OJ990430_07.9819.C18
Gene No.	21990	Strand	-
Start	552	End	5840
Name	OJ990430_07.9819.C18.o6.tm	Method	TBLASTX:Maize
Start	3490	End	3766
GI	none	Score	195
Exons	3490..3591, 3491..3766		

Seq. No.	10397	Seq. ID	OJ990430_07.9819.C18
Gene No.	21990	Strand	-
Start	552	End	5840
Name	OJ990430_07.9819.C18.o2.tw	Method	TBLASTX:Wheat
Start	4028	End	4510
GI	none	Score	546
Exons	4028..4510, 4132..4467		

Seq. No.	10397	Seq. ID	OJ990430_07.9819.C18
Gene No.	21990	Strand	-
Start	552	End	5840
Name	OJ990430_07.9819.C18.o3.ts	Method	TBLASTX:Soybean
Start	4064	End	4378
GI	none	Score	183
Exons	4064..4378		

Seq. No.	10397	Seq. ID	OJ990430_07.9819.C18
Gene No.	21990	Strand	-
Start	552	End	5840
Name	OJ990430_07.9819.C18.o2.tm	Method	TBLASTX:Maize
Start	4097	End	4564
GI	none	Score	390
Exons	4097..4564, 4168..4467		

Seq. No.	10397	Seq. ID	OJ990430_07.9819.C18
Gene No.	21990	Strand	-
Start	552	End	5840
Name	OJ990430_07.9819.C18.o1.gp	Method	AAT/GAP
Start	4424	End	5204
GI	4107134	Score	1165
Exons	4424..5204		
GI Descrip.	4680179/gb|AAD27547.1|AF111709_1 3.0e-97 (AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	10397	Seq. ID	OJ990430_07.9819.C18
Gene No.	21990	Strand	-
Start	552	End	5840
Name	OJ990430_07.9819.C18.o1.ts	Method	TBLASTX:Soybean
Start	4451	End	4846
GI	none	Score	57
Exons	4451..4483, 4453..4479, 4487..4846, 4494..4559, 4499..4816, 4582..4845		

Seq. No.	10397	Seq. ID	OJ990430_07.9819.C18
Gene No.	21990	Strand	-
Start	552	End	5840
Name	OJ990430_07.9819.C18.o4.tw	Method	TBLASTX:Wheat
Start	4559	End	4861

GI	none	Score	399
Exons	4559..4861, 4560..4637, 4562..4852, 4579..4860		
Seq. No.	10397	Seq. ID	OJ990430_07.9819.C18
Gene No.	21990	Strand	-
Start	552	End	5840
Name	OJ990430_07.9819.C18.o3.tm	Method	TBLASTX:Maize
Start	4580	End	4933
GI	none	Score	327
Exons	4580..4933, 4648..4926		
Seq. No.	10397	Seq. ID	OJ990430_07.9819.C18
Gene No.	21990	Strand	-
Start	552	End	5840
Name	OJ990430_07.9819.C18.o1.tw	Method	TBLASTX:Wheat
Start	4862	End	5371
GI	none	Score	622
Exons	4862..5371, 4870..5280, 4901..5284		
Seq. No.	10397	Seq. ID	OJ990430_07.9819.C18
Gene No.	21990	Strand	-
Start	552	End	5840
Name	OJ990430_07.9819.C18.o2.ts	Method	TBLASTX:Soybean
Start	4868	End	5113
GI	none	Score	207
Exons	4868..5113		
Seq. No.	10397	Seq. ID	OJ990430_07.9819.C18
Gene No.	21990	Strand	-
Start	552	End	5840
Name	OJ990430_07.9819.C18.o1.tm	Method	TBLASTX:Maize
Start	4934	End	5297
GI	none	Score	477
Exons	4934..5287, 4936..5280, 4974..5297		
Seq. No.	10397	Seq. ID	OJ990430_07.9819.C18
Gene No.	21990	Strand	-
Start	552	End	5840
Name	OJ990430_07.9819.C18.o3.tw	Method	TBLASTX:Wheat
Start	5375	End	5737
GI	none	Score	403
Exons	5375..5737, 5408..5731		
Seq. No.	10397	Seq. ID	OJ990430_07.9819.C18
Gene No.	21990	Strand	-
Start	552	End	5840
Name	OJ990430_07.9819.C18.o5.tm	Method	TBLASTX:Maize
Start	5504	End	5734
GI	none	Score	197
Exons	5504..5734, 5525..5731		
Seq. No.	10398	Seq. ID	OJ990430_07.9819.C19
Gene No.	21991	Strand	+
Start	1	End	1006
Name	OJ990430_07.9819.C19.o1.np	Method	AAT/NAP
Start	1	End	1003
GI	4680179	Score	1537

Exons	1..1003		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	10398	Seq. ID	OJ990430_07.9819.C19
Gene No.	21991	Strand	+
Start	1	End	1006
Name	OJ990430_07.9819.C19.o1.gs	Method	GENSCAN
Start	83	End	1006
GI	none	Score	1
Exons	83..1006		
Seq. No.	10398	Seq. ID	OJ990430_07.9819.C19
Gene No.	21991	Strand	+
Start	1	End	1006
Name	OJ990430_07.9819.C19.o1.tw	Method	TBLASTX:Wheat
Start	88	End	625
GI	none	Score	643
Exons	88..624, 89..625		
Seq. No.	10398	Seq. ID	OJ990430_07.9819.C19
Gene No.	21991	Strand	+
Start	1	End	1006
Name	OJ990430_07.9819.C19.o1.tm	Method	TBLASTX:Maize
Start	179	End	766
GI	none	Score	226
Exons	179..340, 185..331, 187..342, 187..333, 337..435, 338..766, 505..765		
Seq. No.	10398	Seq. ID	OJ990430_07.9819.C19
Gene No.	21991	Strand	+
Start	1	End	1006
Name	OJ990430_07.9819.C19.o2.tw	Method	TBLASTX:Wheat
Start	625	End	993
GI	none	Score	366
Exons	625..825, 626..958, 940..993		
Seq. No.	10398	Seq. ID	OJ990430_07.9819.C19
Gene No.	21991	Strand	+
Start	1	End	1006
Name	OJ990430_07.9819.C19.o2.tm	Method	TBLASTX:Maize
Start	767	End	979
GI	none	Score	208
Exons	767..979		
Seq. No.	10399	Seq. ID	OJ990430_07.9819.C21
Gene No.	21992	Strand	+
Start	1	End	297
Name	OJ990430_07.9819.C21.o1.np	Method	AAT/NAP
Start	1	End	297
GI	5852179	Score	141
Exons	1..297		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		
Seq. No.	10399	Seq. ID	OJ990430_07.9819.C21
Gene No.	21993	Strand	-
Start	92	End	253
Name	OJ990430_07.9819.C21.o1.gp	Method	AAT/GAP

Start	92	End	253
GI	2311596	Score	275
Exons	92..253		
GI Descrip.	5852170/emb|AL117265.1|OST17804 0.0e+00 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	10399	Seq. ID	OJ990430_07.9819.C21
Gene No.	21994	Strand	
Start	1191	End	1533
Name	OJ990430_07.9819.C21.o1.tc	Method	TBLASTX:Cress
Start	1191	End	1533
GI	none	Score	110
Exons	1191..1253, 1192..1266, 1192..1263, 1224..1349, 1252..1347, 1256..1354, 1256..1348, 1483..1533, 1486..1533		

Seq. No.	10400	Seq. ID	OJ990430_07.9819.C22
Gene No.	21995	Strand	+
Start	1	End	1392
Name	OJ990430_07.9819.C22.o1.np	Method	AAT/NAP
Start	1	End	1392
GI	4680186	Score	347
Exons	1..126, 1174..1392		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	10400	Seq. ID	OJ990430_07.9819.C22
Gene No.	21996	Strand	-
Start	944	End	1325
Name	OJ990430_07.9819.C22.o2.gp	Method	AAT/GAP
Start	944	End	1325
GI	uC-osflcyp033a04b1	Score	651
Exons	944..1325		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	10401	Seq. ID	OJ990430_07.9819.C23
Gene No.	21997	Strand	+
Start	1448	End	1585
Name	OJ990430_07.9819.C23.o1.gs	Method	GENSCAN
Start	1448	End	1585
GI	none	Score	.88
Exons	1448..1585		

Seq. No.	10401	Seq. ID	OJ990430_07.9819.C23
Gene No.	21998	Strand	-
Start	774	End	1069
Name	OJ990430_07.9819.C23.o1.gp	Method	AAT/GAP
Start	774	End	1069
GI	2428185	Score	493
Exons	774..1069		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	10402	Seq. ID	OJ990430_07.9819.C24
Gene No.	21999	Strand	+
Start	385	End	1483
Name	OJ990430_07.9819.C24.o1.gs	Method	GENSCAN
Start	385	End	1483

GI	none	Score	.53
Exons	385..914, 1118..1270, 1477..1483		

Seq. No.	10402	Seq. ID	OJ990430_07.9819.C24
Gene No.	22000	Strand	-
Start	1	End	2280
Name	OJ990430_07.9819.C24.o1.np	Method	AAT/NAP
Start	1	End	2280
GI	2708709	Score	124
Exons	1..64, 646..1075, 1141..1338, 1997..2280		
GI Descrip.	(AF038575) Wiskott-Aldrich Syndrome protein homolog [Schizosaccharomyces pombe]		

Seq. No.	10402	Seq. ID	OJ990430_07.9819.C24
Gene No.	22000	Strand	-
Start	1	End	2280
Name	OJ990430_07.9819.C24.o2.gs	Method	GENSCAN
Start	1690	End	2160
GI	none	Score	.9
Exons	1690..1735, 2099..2160		

Seq. No.	10403	Seq. ID	OJ990430_07.9819.C25
Gene No.	22001	Strand	+
Start	1	End	479
Name	OJ990430_07.9819.C25.o1.np	Method	AAT/NAP
Start	1	End	479
GI	5852180	Score	115
Exons	1..46, 362..479		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	10403	Seq. ID	OJ990430_07.9819.C25
Gene No.	22001	Strand	+
Start	1	End	479
Name	OJ990430_07.9819.C25.o1.gs	Method	GENSCAN
Start	362	End	479
GI	none	Score	.62
Exons	362..479		

Seq. No.	10404	Seq. ID	OJ990430_07.9819.C26
Gene No.	22002	Strand	-
Start	1	End	822
Name	OJ990430_07.9819.C26.o1.np	Method	AAT/NAP
Start	1	End	822
GI	4680179	Score	1176
Exons	1..822		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	10404	Seq. ID	OJ990430_07.9819.C26
Gene No.	22002	Strand	-
Start	1	End	822
Name	OJ990430_07.9819.C26.o1.tm	Method	TBLASTX:Maize
Start	82	End	632
GI	none	Score	146
Exons	82..306, 84..473, 195..350, 376..474, 469..624, 471..632, 478..624, 480..626		

Seq. No.	10404	Seq. ID	OJ990430_07.9819.C26

Gene No.	22002	Strand	-
Start	1	End	822
Name	OJ990430_07.9819.C26.o1.gs	Method	GENSCAN
Start	143	End	728
GI	none	Score	.95
Exons	143..728		

Seq. No.	10404	Seq. ID	OJ990430_07.9819.C26
Gene No.	22002	Strand	-
Start	1	End	822
Name	OJ990430_07.9819.C26.o1.tw	Method	TBLASTX:Wheat
Start	186	End	801
GI	none	Score	350
Exons	186..800, 187..801		

Seq. No.	10405	Seq. ID	OJ990430_07.9819.C27
Gene No.	22003	Strand	+
Start	1	End	1363
Name	OJ990430_07.9819.C27.o1.np	Method	AAT/NAP
Start	1	End	1363
GI	5852175	Score	830
Exons	1..20, 360..523, 939..1363		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		

Seq. No.	10405	Seq. ID	OJ990430_07.9819.C27
Gene No.	22004	Strand	-
Start	151	End	226
Name	OJ990430_07.9819.C27.o1.gs	Method	GENSCAN
Start	151	End	226
GI	none	Score	.48
Exons	151..226		

Seq. No.	10406	Seq. ID	OJ990430_07.9819.C28
Gene No.	22005	Strand	+
Start	718	End	902
Name	OJ990430_07.9819.C28.o1.gs	Method	GENSCAN
Start	718	End	879
GI	none	Score	.92
Exons	718..879		

Seq. No.	10406	Seq. ID	OJ990430_07.9819.C28
Gene No.	22005	Strand	+
Start	718	End	902
Name	OJ990430_07.9819.C28.o1.np	Method	AAT/NAP
Start	718	End	902
GI	5042447	Score	100
Exons	718..902		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	10407	Seq. ID	OJ990430_07.9819.C29
Gene No.	22006	Strand	-
Start	1	End	807
Name	OJ990430_07.9819.C29.o1.np	Method	AAT/NAP
Start	1	End	807
GI	5852175	Score	548
Exons	1..185, 302..580, 668..807		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		

Seq. No.	10407	Seq. ID	OJ990430_07.9819.C29
Gene No.	22006	Strand	-
Start	1	End	807
Name	OJ990430_07.9819.C29.o1.gs	Method	GENSCAN
Start	302	End	580
GI	none	Score	.54
Exons	302..580		

Seq. No.	10408	Seq. ID	OJ990430_07.9819.C30
Gene No.	22007	Strand	+
Start	1	End	1373
Name	OJ990430_07.9819.C30.o1.np	Method	AAT/NAP
Start	1	End	1373
GI	4680179	Score	2155
Exons	1..1373		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	10408	Seq. ID	OJ990430_07.9819.C30
Gene No.	22007	Strand	+
Start	1	End	1373
Name	OJ990430_07.9819.C30.o3.tw	Method	TBLASTX:Wheat
Start	18	End	191
GI	none	Score	262
Exons	18..191, 41..184		

Seq. No.	10408	Seq. ID	OJ990430_07.9819.C30
Gene No.	22007	Strand	+
Start	1	End	1373
Name	OJ990430_07.9819.C30.o4.tm	Method	TBLASTX:Maize
Start	21	End	191
GI	none	Score	218
Exons	21..191, 38..184		

Seq. No.	10408	Seq. ID	OJ990430_07.9819.C30
Gene No.	22007	Strand	+
Start	1	End	1373
Name	OJ990430_07.9819.C30.o1.gs	Method	GENSCAN
Start	132	End	1232
GI	none	Score	.48
Exons	132..1232		

Seq. No.	10408	Seq. ID	OJ990430_07.9819.C30
Gene No.	22007	Strand	+
Start	1	End	1373
Name	OJ990430_07.9819.C30.o2.tw	Method	TBLASTX:Wheat
Start	231	End	758
GI	none	Score	620
Exons	231..758, 312..725, 503..757		

Seq. No.	10408	Seq. ID	OJ990430_07.9819.C30
Gene No.	22007	Strand	+
Start	1	End	1373
Name	OJ990430_07.9819.C30.o3.tm	Method	TBLASTX:Maize
Start	408	End	722
GI	none	Score	272
Exons	408..722, 429..638, 518..721		

Seq. No.	10408	Seq. ID	OJ990430_07.9819.C30
Gene No.	22007	Strand	+
Start	1	End	1373
Name	OJ990430_07.9819.C30.o1.tc	Method	TBLASTX:Cress
Start	465	End	782
GI	none	Score	90
Exons	465..638, 639..782, 641..781		

Seq. No.	10408	Seq. ID	OJ990430_07.9819.C30
Gene No.	22007	Strand	+
Start	1	End	1373
Name	OJ990430_07.9819.C30.o1.ts	Method	TBLASTX:Soybean
Start	546	End	806
GI	none	Score	300
Exons	546..806, 551..805		

Seq. No.	10408	Seq. ID	OJ990430_07.9819.C30
Gene No.	22007	Strand	+
Start	1	End	1373
Name	OJ990430_07.9819.C30.o1.tm	Method	TBLASTX:Maize
Start	723	End	1043
GI	none	Score	455
Exons	723..1040, 734..1039, 822..1043		

Seq. No.	10408	Seq. ID	OJ990430_07.9819.C30
Gene No.	22007	Strand	+
Start	1	End	1373
Name	OJ990430_07.9819.C30.o1.tw	Method	TBLASTX:Wheat
Start	765	End	1286
GI	none	Score	620
Exons	765..1286, 767..1285		

Seq. No.	10408	Seq. ID	OJ990430_07.9819.C30
Gene No.	22007	Strand	+
Start	1	End	1373
Name	OJ990430_07.9819.C30.o2.tm	Method	TBLASTX:Maize
Start	1047	End	1286
GI	none	Score	306
Exons	1047..1286, 1047..1286		

Seq. No.	10409	Seq. ID	OJ990430_07.9819.C31
Gene No.	22008	Strand	+
Start	1	End	223
Name	OJ990430_07.9819.C31.o1.np	Method	AAT/NAP
Start	1	End	223
GI	4680179	Score	213
Exons	1..223		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	10409	Seq. ID	OJ990430_07.9819.C31
Gene No.	22009	Strand	+
Start	686	End	1364
Name	OJ990430_07.9819.C31.o1.gs	Method	GENSCAN
Start	686	End	1364
GI	none	Score	.62
Exons	686..1178, 1272..1364		

Seq. No.	10409	Seq. ID	OJ990430_07.9819.C31
Gene No.	22010	Strand	-
Start	518	End	2520
Name	OJ990430_07.9819.C31.o2.np	Method	AAT/NAP
Start	518	End	2520
GI	5295955	Score	441
Exons	518..1120, 1251..1691, 2497..2520		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	10410	Seq. ID	OJ990430_07.9819.C32
Gene No.	22011	Strand	-
Start	474	End	611
Name	OJ990430_07.9819.C32.o1.gs	Method	GENSCAN
Start	474	End	611
GI	none	Score	.56
Exons	474..611		

Seq. No.	10411	Seq. ID	OJ990430_07.9819.C33
Gene No.	22012	Strand	+
Start	1	End	1750
Name	OJ990430_07.9819.C33.o1.np	Method	AAT/NAP
Start	1	End	1750
GI	5852172	Score	760
Exons	1..508, 1214..1417, 1640..1750		
GI Descrip.	(AL117265) zhb0002.1 [Oryza sativa]		

Seq. No.	10411	Seq. ID	OJ990430_07.9819.C33
Gene No.	22012	Strand	+
Start	1	End	1750
Name	OJ990430_07.9819.C33.o1.gs	Method	GENSCAN
Start	260	End	1456
GI	none	Score	.77
Exons	260..508, 1214..1456		

Seq. No.	10411	Seq. ID	OJ990430_07.9819.C33
Gene No.	22013	Strand	-
Start	1239	End	1664
Name	OJ990430_07.9819.C33.o1.ts	Method	TBLASTX:Soybean
Start	82	End	1456
GI	none	Score	87
Exons	82..450, 83..211, 257..439, 419..508, 448..504, 469..510, 1088..1132, 1192..1263, 1208..1327, 1212..1334, 1343..1456, 1345..1452		

Seq. No.	10411	Seq. ID	OJ990430_07.9819.C33
Gene No.	22013	Strand	-
Start	1239	End	1664
Name	OJ990430_07.9819.C33.o2.tm	Method	TBLASTX:Maize
Start	152	End	382
GI	none	Score	229
Exons	152..382, 152..379		

Seq. No.	10411	Seq. ID	OJ990430_07.9819.C33
Gene No.	22013	Strand	-
Start	1239	End	1664

Name	OJ990430_07.9819.C33.o1.tc	Method	TBLASTX:Cress
Start	321	End	1459
GI	none	Score	252
Exons	321..407, 323..520, 325..504, 450..509, 1204..1263, 1208..1327, 1212..1400, 1328..1459, 1330..1458		

Seq. No.	10411	Seq. ID	OJ990430_07.9819.C33
Gene No.	22013	Strand	-
Start	1239	End	1664
Name	OJ990430_07.9819.C33.o1.tm	Method	TBLASTX:Maize
Start	382	End	1456
GI	none	Score	211
Exons	382..507, 383..520, 383..508, 384..509, 1204..1452, 1205..1456, 1208..1456		

Seq. No.	10411	Seq. ID	OJ990430_07.9819.C33
Gene No.	22013	Strand	-
Start	1239	End	1664
Name	OJ990430_07.9819.C33.o1.gp	Method	AAT/GAP
Start	1239	End	1664
GI	10742_1.R1084	Score	805
Exons	1239..1664		
GI Descrip.	'5852172/emb|CAB55410.1| 1.0e-10 (AL117265) zhb0002.1 [Oryza sativa]'		

Seq. No.	10412	Seq. ID	OJ990430_07.9819.C34
Gene No.	22014	Strand	+
Start	1	End	5363
Name	OJ990430_07.9819.C34.o1.np	Method	AAT/NAP
Start	1	End	5333
GI	5852172	Score	1486
Exons	1..64, 2106..2348, 2489..2812, 2921..3043, 3109..3172, 3239..3311, 3591..3718, 4920..5009, 5254..5333		
GI Descrip.	(AL117265) zhb0002.1 [Oryza sativa]		

Seq. No.	10412	Seq. ID	OJ990430_07.9819.C34
Gene No.	22014	Strand	+
Start	1	End	5363
Name	OJ990430_07.9819.C34.o1.gs	Method	GENSCAN
Start	2145	End	5363
GI	none	Score	.77
Exons	2145..2348, 2489..2812, 2935..3043, 3239..3311, 3591..3718, 4617..4771, 5202..5363		

Seq. No.	10412	Seq. ID	OJ990430_07.9819.C34
Gene No.	22015	Strand	+
Start	5644	End	7255
Name	OJ990430_07.9819.C34.o2.np	Method	AAT/NAP
Start	5644	End	7255
GI	5852173	Score	2787
Exons	5644..7255		
GI Descrip.	(AL117265) zhb0003.1 [Oryza sativa]		

Seq. No.	10412	Seq. ID	OJ990430_07.9819.C34
Gene No.	22016	Strand	+
Start	8409	End	8922
Name	OJ990430_07.9819.C34.o3.gs	Method	GENSCAN

Start	8409	End	8922
GI	none	Score	.72
Exons	8409..8580, 8792..8922		

Seq. No.	10412	Seq. ID	OJ990430_07.9819.C34
Gene No.	22016	Strand	+
Start	8409	End	8922
Name	OJ990430_07.9819.C34.o3.np	Method	AAT/NAP
Start	8409	End	8919
GI	5852174	Score	475
Exons	8409..8580, 8792..8919		
GI Descrip.	(AL117265) zhb0004.1 [Oryza sativa]		

Seq. No.	10412	Seq. ID	OJ990430_07.9819.C34
Gene No.	22017	Strand	+
Start	9894	End	11134
Name	OJ990430_07.9819.C34.o4.gs	Method	GENSCAN
Start	9894	End	11134
GI	none	Score	.41
Exons	9894..10053, 10992..11134		

Seq. No.	10413	Seq. ID	OJ990430_07.9819.C35
Gene No.	22018	Strand	+
Start	519	End	1962
Name	OJ990430_07.9819.C35.o1.np	Method	AAT/NAP
Start	519	End	1962
GI	5852175	Score	358
Exons	519..634, 1748..1962		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		

Seq. No.	10413	Seq. ID	OJ990430_07.9819.C35
Gene No.	22018	Strand	+
Start	519	End	1962
Name	OJ990430_07.9819.C35.o1.gs	Method	GENSCAN
Start	539	End	938
GI	none	Score	.88
Exons	539..634, 729..819, 850..938		

Seq. No.	10414	Seq. ID	OJ990430_07.9819.C37
Gene No.	22019	Strand	-
Start	1	End	900
Name	OJ990430_07.9819.C37.o1.np	Method	AAT/NAP
Start	1	End	900
GI	4680179	Score	1273
Exons	1..900		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	10414	Seq. ID	OJ990430_07.9819.C37
Gene No.	22019	Strand	-
Start	1	End	900
Name	OJ990430_07.9819.C37.o2.tw	Method	TBLASTX:Wheat
Start	84	End	441
GI	none	Score	149
Exons	84..254, 84..440, 85..441		

Seq. No.	10414	Seq. ID	OJ990430_07.9819.C37
Gene No.	22019	Strand	-

Start	1	End	900
Name	OJ990430_07.9819.C37.o1.tm	Method	TBLASTX:Maize
Start	162	End	482
GI	none	Score	123
Exons	162..383, 165..482, 166..471		

Seq. No.	10414	Seq. ID	OJ990430_07.9819.C37
Gene No.	22019	Strand	-
Start	1	End	900
Name	OJ990430_07.9819.C37.o1.ts	Method	TBLASTX:Soybean
Start	399	End	659
GI	none	Score	169
Exons	399..659, 400..654		

Seq. No.	10414	Seq. ID	OJ990430_07.9819.C37
Gene No.	22019	Strand	-
Start	1	End	900
Name	OJ990430_07.9819.C37.o1.tc	Method	TBLASTX:Cress
Start	423	End	740
GI	none	Score	89
Exons	423..566, 424..564, 567..740		

Seq. No.	10414	Seq. ID	OJ990430_07.9819.C37
Gene No.	22019	Strand	-
Start	1	End	900
Name	OJ990430_07.9819.C37.o1.tw	Method	TBLASTX:Wheat
Start	447	End	819
GI	none	Score	266
Exons	447..818, 448..702, 480..818, 754..819		

Seq. No.	10414	Seq. ID	OJ990430_07.9819.C37
Gene No.	22019	Strand	-
Start	1	End	900
Name	OJ990430_07.9819.C37.o2.tm	Method	TBLASTX:Maize
Start	483	End	797
GI	none	Score	129
Exons	483..797, 484..687, 567..776		

Seq. No.	10415	Seq. ID	OJ990430_07.9819.C38
Gene No.	22020	Strand	-
Start	249	End	759
Name	OJ990430_07.9819.C38.o1.gs	Method	GENSCAN
Start	249	End	759
GI	none	Score	.97
Exons	249..379, 591..759		

Seq. No.	10415	Seq. ID	OJ990430_07.9819.C38
Gene No.	22020	Strand	-
Start	249	End	759
Name	OJ990430_07.9819.C38.o1.np	Method	AAT/NAP
Start	252	End	759
GI	5852174	Score	411
Exons	252..379, 591..759		
GI Descrip.	(AL117265) zhb0004.1 [Oryza sativa]		

Seq. No.	10416	Seq. ID	OJ990430_07.9819.C39
Gene No.	22021	Strand	+

Start	1	End	163
Name	OJ990430_07.9819.C39.o1.np	Method	AAT/NAP
Start	1	End	163
GI	4680183	Score	142
Exons	1..163		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	10417	Seq. ID	OJ990430_07.9819.C40
Gene No.	22022	Strand	-
Start	330	End	406
Name	OJ990430_07.9819.C40.o1.gs	Method	GENSCAN
Start	330	End	406
GI	none	Score	.96
Exons	330..406		

Seq. No.	10418	Seq. ID	OJ990430_07.9819.C44
Gene No.	22023	Strand	+
Start	1	End	383
Name	OJ990430_07.9819.C44.o1.np	Method	AAT/NAP
Start	1	End	383
GI	5852173	Score	490
Exons	1..383		
GI Descrip.	(AL117265) zhb0003.1 [Oryza sativa]		

Seq. No.	10419	Seq. ID	OJ990430_07.9819.C45
Gene No.	22024	Strand	-
Start	466	End	556
Name	OJ990430_07.9819.C45.o1.np	Method	AAT/NAP
Start	466	End	556
GI	5852180	Score	41
Exons	466..556		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	10420	Seq. ID	OJ990430_07.9819.C46
Gene No.	22025	Strand	-
Start	1	End	797
Name	OJ990430_07.9819.C46.o1.np	Method	AAT/NAP
Start	1	End	797
GI	4680179	Score	488
Exons	1..797		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	10420	Seq. ID	OJ990430_07.9819.C46
Gene No.	22025	Strand	-
Start	1	End	797
Name	OJ990430_07.9819.C46.o1.tw	Method	TBLASTX:Wheat
Start	88	End	444
GI	none	Score	74
Exons	88..444, 241..432		

Seq. No.	10421	Seq. ID	OJ990430_07.9819.C47
Gene No.	22026	Strand	-
Start	585	End	671
Name	OJ990430_07.9819.C47.o1.gs	Method	GENSCAN
Start	585	End	671
GI	none	Score	.87
Exons	585..671		

Seq. No.	10422	Seq. ID	OJ990430_07.9819.C49
Gene No.	22027	Strand	-
Start	2	End	799
Name	OJ990430_07.9819.C49.o1.np	Method	AAT/NAP
Start	2	End	799
GI	4680179	Score	1048
Exons	2..799		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	10422	Seq. ID	OJ990430_07.9819.C49
Gene No.	22027	Strand	-
Start	2	End	799
Name	OJ990430_07.9819.C49.o1.tw	Method	TBLASTX:Wheat
Start	95	End	469
GI	none	Score	132
Exons	95..469, 180..449		

Seq. No.	10422	Seq. ID	OJ990430_07.9819.C49
Gene No.	22027	Strand	-
Start	2	End	799
Name	OJ990430_07.9819.C49.o1.gs	Method	GENSCAN
Start	160	End	636
GI	none	Score	.67
Exons	160..636		

Seq. No.	10422	Seq. ID	OJ990430_07.9819.C49
Gene No.	22027	Strand	-
Start	2	End	799
Name	OJ990430_07.9819.C49.o1.tm	Method	TBLASTX:Maize
Start	239	End	797
GI	none	Score	170
Exons	239..637, 240..500, 389..544, 570..638, 637..666, 674..733, 675..734, 756..797		

Seq. No.	10422	Seq. ID	OJ990430_07.9819.C49
Gene No.	22027	Strand	-
Start	2	End	799
Name	OJ990430_07.9819.C49.o2.tw	Method	TBLASTX:Wheat
Start	473	End	787
GI	none	Score	95
Exons	473..727, 477..632, 572..754, 755..787		

Seq. No.	10423	Seq. ID	OJ990430_07.9819.C50
Gene No.	22028	Strand	-
Start	1	End	777
Name	OJ990430_07.9819.C50.o1.np	Method	AAT/NAP
Start	1	End	777
GI	5852180	Score	273
Exons	1..145, 449..588, 755..777		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	10424	Seq. ID	OJ990430_07.9819.C51
Gene No.	22029	Strand	-
Start	349	End	483
Name	OJ990430_07.9819.C51.o1.gs	Method	GENSCAN
Start	349	End	483

GI	none	Score	.58
Exons	349..483		
Seq. No.	10425	Seq. ID	OJ990430_07.9819.C52
Gene No.	22030	Strand	+
Start	51	End	184
Name	OJ990430_07.9819.C52.o1.gs	Method	GENSCAN
Start	51	End	184
GI	none	Score	.48
Exons	51..184		
Seq. No.	10426	Seq. ID	OJ990620_40.9920.C4
Gene No.	22031	Strand	+
Start	2568	End	3032
Name	OJ990620_40.9920.C4.o1.gp	Method	AAT/GAP
Start	2568	End	3032
GI	none	Score	833
Exons	2568..3032		
Seq. No.	10426	Seq. ID	OJ990620_40.9920.C4
Gene No.	22032	Strand	-
Start	545	End	3334
Name	OJ990620_40.9920.C4.o1.gs	Method	GENSCAN
Start	545	End	3334
GI	none	Score	.62
Exons	545..686, 2647..2861, 3028..3144, 3226..3334		
Seq. No.	10426	Seq. ID	OJ990620_40.9920.C4
Gene No.	22033	Strand	-
Start	5719	End	6357
Name	OJ990620_40.9920.C4.o1.np	Method	AAT/NAP
Start	5177	End	5782
GI	6721559	Score	383
Exons	5177..5782		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815084|dbj|BAA90370.1| (AP001081) hypothetical protein [Oryza sativa]		
Seq. No.	10426	Seq. ID	OJ990620_40.9920.C4
Gene No.	22033	Strand	-
Start	5719	End	6357
Name	OJ990620_40.9920.C4.o2.gs	Method	GENSCAN
Start	5719	End	6357
GI	none	Score	.45
Exons	5719..6212, 6306..6357		
Seq. No.	10427	Seq. ID	OJ990620_40.9920.C5
Gene No.	22034	Strand	+
Start	1	End	3195
Name	OJ990620_40.9920.C5.o1.np	Method	AAT/NAP
Start	1	End	2171
GI	4680179	Score	3473
Exons	1..2171		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	10427	Seq. ID	OJ990620_40.9920.C5
Gene No.	22034	Strand	+

Start	1	End	3195
Name	OJ990620_40.9920.C5.o1.gs	Method	GENSCAN
Start	153	End	3195
GI	none	Score	.68
Exons	153..734, 1193..1217, 1375..1994, 2594..2843, 2939..3195		

Seq. No.	10427	Seq. ID	OJ990620_40.9920.C5
Gene No.	22035	Strand	-
Start	2444	End	3056
Name	OJ990620_40.9920.C5.o2.np	Method	AAT/NAP
Start	2444	End	3056
GI	6721559	Score	357
Exons	2444..2572, 2604..3056		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815084|dbj|BAA90370.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	10427	Seq. ID	OJ990620_40.9920.C5
Gene No.	22036	Strand	-
Start	4358	End	4874
Name	OJ990620_40.9920.C5.o4.tm	Method	TBLASTX:Maize
Start	3	End	233
GI	none	Score	209
Exons	3..233, 23..232		

Seq. No.	10427	Seq. ID	OJ990620_40.9920.C5
Gene No.	22036	Strand	-
Start	4358	End	4874
Name	OJ990620_40.9920.C5.o5.tw	Method	TBLASTX:Wheat
Start	3	End	3561
GI	none	Score	185
Exons	3..161, 5..160, 3469..3561		

Seq. No.	10427	Seq. ID	OJ990620_40.9920.C5
Gene No.	22036	Strand	-
Start	4358	End	4874
Name	OJ990620_40.9920.C5.o2.tw	Method	TBLASTX:Wheat
Start	162	End	671
GI	none	Score	601
Exons	162..671, 194..505, 240..572		

Seq. No.	10427	Seq. ID	OJ990620_40.9920.C5
Gene No.	22036	Strand	-
Start	4358	End	4874
Name	OJ990620_40.9920.C5.o2.ts	Method	TBLASTX:Soybean
Start	168	End	413
GI	none	Score	194
Exons	168..413, 203..412		

Seq. No.	10427	Seq. ID	OJ990620_40.9920.C5
Gene No.	22036	Strand	-
Start	4358	End	4874
Name	OJ990620_40.9920.C5.o2.tm	Method	TBLASTX:Maize
Start	234	End	592
GI	none	Score	472
Exons	234..587, 236..502, 257..592, 542..580		

Seq. No.	10427	Seq. ID	OJ990620_40.9920.C5
Gene No.	22036	Strand	-
Start	4358	End	4874
Name	OJ990620_40.9920.C5.o3.tw	Method	TBLASTX:Wheat
Start	762	End	1155
GI	none	Score	484
Exons	762..848, 763..1155, 772..1122, 900..1154		

Seq. No.	10427	Seq. ID	OJ990620_40.9920.C5
Gene No.	22036	Strand	-
Start	4358	End	4874
Name	OJ990620_40.9920.C5.o3.tm	Method	TBLASTX:Maize
Start	799	End	1221
GI	none	Score	340
Exons	799..1221, 886..1113, 909..1205		

Seq. No.	10427	Seq. ID	OJ990620_40.9920.C5
Gene No.	22036	Strand	-
Start	4358	End	4874
Name	OJ990620_40.9920.C5.o1.tc	Method	TBLASTX:Cress
Start	862	End	1179
GI	none	Score	91
Exons	862..1035, 1036..1179, 1038..1178		

Seq. No.	10427	Seq. ID	OJ990620_40.9920.C5
Gene No.	22036	Strand	-
Start	4358	End	4874
Name	OJ990620_40.9920.C5.o1.ts	Method	TBLASTX:Soybean
Start	943	End	1203
GI	none	Score	269
Exons	943..1203, 948..1199		

Seq. No.	10427	Seq. ID	OJ990620_40.9920.C5
Gene No.	22036	Strand	-
Start	4358	End	4874
Name	OJ990620_40.9920.C5.o1.tw	Method	TBLASTX:Wheat
Start	1164	End	1793
GI	none	Score	219
Exons	1164..1379, 1165..1377, 1384..1602, 1385..1573, 1386..1793		

Seq. No.	10427	Seq. ID	OJ990620_40.9920.C5
Gene No.	22036	Strand	-
Start	4358	End	4874
Name	OJ990620_40.9920.C5.o1.tm	Method	TBLASTX:Maize
Start	1342	End	1946
GI	none	Score	55
Exons	1342..1377, 1344..1370, 1382..1501, 1383..1508, 1505..1597, 1505..1567, 1506..1946, 1718..1930		

Seq. No.	10427	Seq. ID	OJ990620_40.9920.C5
Gene No.	22036	Strand	-
Start	4358	End	4874
Name	OJ990620_40.9920.C5.o4.tw	Method	TBLASTX:Wheat
Start	1794	End	2161
GI	none	Score	354
Exons	1794..2126, 1821..1901, 1886..2008, 2108..2161		

Seq. No.	10427	Seq. ID	OJ990620_40.9920.C5
Gene No.	22036	Strand	-
Start	4358	End	4874
Name	OJ990620_40.9920.C5.o3.np	Method	AAT/NAP
Start	4106	End	4874
GI	4680183	Score	180
Exons	4106..4195, 4804..4874		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	10427	Seq. ID	OJ990620_40.9920.C5
Gene No.	22036	Strand	-
Start	4358	End	4874
Name	OJ990620_40.9920.C5.o2.gs	Method	GENSCAN
Start	4358	End	4504
GI	none	Score	.44
Exons	4358..4504		

Seq. No.	10428	Seq. ID	OJ990620_40.9920.C7
Gene No.	22037	Strand	+
Start	432	End	1118
Name	OJ990620_40.9920.C7.o1.gs	Method	GENSCAN
Start	432	End	1112
GI	none	Score	.96
Exons	432..550, 718..1112		

Seq. No.	10428	Seq. ID	OJ990620_40.9920.C7
Gene No.	22037	Strand	+
Start	432	End	1118
Name	OJ990620_40.9920.C7.o1.np	Method	AAT/NAP
Start	492	End	1118
GI	2498930	Score	729
Exons	492..550, 718..1118		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	10429	Seq. ID	OJ990620_40.9920.C8
Gene No.	22038	Strand	+
Start	257	End	325
Name	OJ990620_40.9920.C8.o1.np	Method	AAT/NAP
Start	257	End	325
GI	5922615	Score	67
Exons	257..325		
GI Descrip.	(AP000492) EST AU056052(S20251) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016848|dbj|BAA85191.1| (AP000570) EST AU056052(S20251) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	10430	Seq. ID	OJ990620_40.9920.C9
Gene No.	22039	Strand	-
Start	114	End	1216
Name	OJ990620_40.9920.C9.o1.gs	Method	GENSCAN
Start	114	End	1216
GI	none	Score	.43
Exons	114..284, 375..526, 644..1216		

Seq. No.	10430	Seq. ID	OJ990620_40.9920.C9

Gene No.	22040	Strand	-
Start	1547	End	3575
Name	OJ990620_40.9920.C9.o2.gs	Method	GENSCAN
Start	1547	End	3575
GI	none	Score	.68
Exons	1547..1783, 1862..2593, 3183..3575		

Seq. No.	10431	Seq. ID	OJ990620_40.9920.C11
Gene No.	22041	Strand	+
Start	1	End	238
Name	OJ990620_40.9920.C11.o1.gp	Method	AAT/GAP
Start	1	End	238
GI	59529_1.R1084	Score	146
Exons	1..92, 217..238		
GI Descrip.	'4249388/gb|AAD14485| 2.0e-54 (AC005966) Similar to gb_AF025438 Opa-interacting protein (OIP2) from Homo sapiens. [Arabidopsis thaliana]'		

Seq. No.	10432	Seq. ID	OJ990620_40.9920.C12
Gene No.	22042	Strand	-
Start	137	End	282
Name	OJ990620_40.9920.C12.o1.gs	Method	GENSCAN
Start	137	End	282
GI	none	Score	.83
Exons	137..282		

Seq. No.	10433	Seq. ID	OJ990620_40.9920.C13
Gene No.	22043	Strand	+
Start	361	End	515
Name	OJ990620_40.9920.C13.o1.gs	Method	GENSCAN
Start	361	End	515
GI	none	Score	.95
Exons	361..515		

Seq. No.	10433	Seq. ID	OJ990620_40.9920.C13
Gene No.	22044	Strand	-
Start	292	End	7796
Name	OJ990620_40.9920.C13.o1.np	Method	AAT/NAP
Start	292	End	7796
GI	3337389	Score	412
Exons	292..509, 1336..1440, 1520..1612, 2184..2374, 7772..7796		
GI Descrip.	(AC004682) pre-mRNA splicing factor (PRP16)(KIAA0224) [Homo sapiens]		

Seq. No.	10433	Seq. ID	OJ990620_40.9920.C13
Gene No.	22044	Strand	-
Start	292	End	7796
Name	OJ990620_40.9920.C13.o2.gs	Method	GENSCAN
Start	1311	End	1641
GI	none	Score	.51
Exons	1311..1440, 1520..1641		

Seq. No.	10433	Seq. ID	OJ990620_40.9920.C13
Gene No.	22044	Strand	-
Start	292	End	7796
Name	OJ990620_40.9920.C13.o1.tm	Method	TBLASTX:Maize
Start	1335	End	2374

GI	none	Score	50
Exons	1335..1388, 1371..1448, 1375..1449, 1501..1626, 1502..1615, 2183..2374, 2184..2336		
Seq. No.	10433	Seq. ID	OJ990620_40.9920.C13
Gene No.	22044	Strand	-
Start	292	End	7796
Name	OJ990620_40.9920.C13.o1.ts	Method	TBLASTX:Soybean
Start	1335	End	1626
GI	none	Score	54
Exons	1335..1448, 1351..1449, 1501..1626, 1505..1591, 1534..1620		
Seq. No.	10433	Seq. ID	OJ990620_40.9920.C13
Gene No.	22044	Strand	-
Start	292	End	7796
Name	OJ990620_40.9920.C13.o2.tc	Method	TBLASTX:Cress
Start	1341	End	1626
GI	none	Score	51
Exons	1341..1448, 1342..1440, 1501..1626, 1505..1609		
Seq. No.	10433	Seq. ID	OJ990620_40.9920.C13
Gene No.	22044	Strand	-
Start	292	End	7796
Name	OJ990620_40.9920.C13.o1.tc	Method	TBLASTX:Cress
Start	2183	End	2374
GI	none	Score	150
Exons	2183..2374, 2184..2342		
Seq. No.	10433	Seq. ID	OJ990620_40.9920.C13
Gene No.	22044	Strand	-
Start	292	End	7796
Name	OJ990620_40.9920.C13.o2.ts	Method	TBLASTX:Soybean
Start	2183	End	2374
GI	none	Score	87
Exons	2183..2374, 2190..2339		
Seq. No.	10433	Seq. ID	OJ990620_40.9920.C13
Gene No.	22044	Strand	-
Start	292	End	7796
Name	OJ990620_40.9920.C13.o2.tm	Method	TBLASTX:Maize
Start	3319	End	3494
GI	none	Score	140
Exons	3319..3441, 3330..3494, 3330..3461		
Seq. No.	10433	Seq. ID	OJ990620_40.9920.C13
Gene No.	22044	Strand	-
Start	292	End	7796
Name	OJ990620_40.9920.C13.o4.gs	Method	GENSCAN
Start	4438	End	7131
GI	none	Score	.51
Exons	4438..4643, 4775..4906, 5665..5726, 5823..5872, 5939..5986, 6099..6126, 6227..6411, 6528..6634, 6963..7131		
Seq. No.	10434	Seq. ID	OJ990620_40.9920.C14
Gene No.	22045	Strand	+
Start	5174	End	6224
Name	OJ990620_40.9920.C14.o1.np	Method	AAT/NAP

Start	5174	End	6224
GI	4433620	Score	172
Exons	5174..5311, 5396..5530, 6177..6224		
GI Descrip.	(AF107586) putative cell division control protein [Dendrobium grex Madame Thong-IN]		

Seq. No.	10434	Seq. ID	OJ990620_40.9920.C14
Gene No.	22046	Strand	-
Start	2541	End	4295
Name	OJ990620_40.9920.C14.o2.gs	Method	GENSCAN
Start	2541	End	4295
GI	none	Score	.93
Exons	2541..2684, 3051..3192, 4234..4295		

Seq. No.	10434	Seq. ID	OJ990620_40.9920.C14
Gene No.	22047	Strand	-
Start	5545	End	5920
Name	OJ990620_40.9920.C14.o1.tm	Method	TBLASTX:Maize
Start	5257	End	5530
GI	none	Score	46
Exons	5257..5331, 5263..5313, 5264..5332, 5393..5530, 5395..5529, 5396..5530		

Seq. No.	10434	Seq. ID	OJ990620_40.9920.C14
Gene No.	22047	Strand	-
Start	5545	End	5920
Name	OJ990620_40.9920.C14.o3.gs	Method	GENSCAN
Start	5545	End	5920
GI	none	Score	.69
Exons	5545..5662, 5805..5920		

Seq. No.	10435	Seq. ID	OJ990620_40.9920.C16
Gene No.	22048	Strand	+
Start	560	End	741
Name	OJ990620_40.9920.C16.o1.gs	Method	GENSCAN
Start	560	End	741
GI	none	Score	.92
Exons	560..741		

Seq. No.	10435	Seq. ID	OJ990620_40.9920.C16
Gene No.	22049	Strand	-
Start	1018	End	3834
Name	OJ990620_40.9920.C16.o2.gs	Method	GENSCAN
Start	1018	End	3834
GI	none	Score	.52
Exons	1018..1251, 2032..2085, 2597..2908, 3024..3346, 3690..3834		

Seq. No.	10435	Seq. ID	OJ990620_40.9920.C16
Gene No.	22049	Strand	-
Start	1018	End	3834
Name	OJ990620_40.9920.C16.o1.gp	Method	AAT/GAP
Start	1997	End	2711
GI	59529_1.R1084	Score	249
Exons	1997..2085, 2631..2711		
GI Descrip.	'4249388/gb|AAD14485| 2.0e-54 (AC005966) Similar to gb_AF025438 Opa-interacting protein (OIP2) from Homo sapiens. [Arabidopsis thaliana]'		

Seq. No.	10435	Seq. ID	OJ990620_40.9920.C16
Gene No.	22049	Strand	-
Start	1018	End	3834
Name	OJ990620_40.9920.C16.o1.np	Method	AAT/NAP
Start	2019	End	3233
GI	4249388	Score	386
Exons	2019..2085, 2631..2736, 2839..2908, 3024..3233		
GI Descrip.	(AC005966) Similar to gb|AF025438 Opa-interacting protein (OIP2) from Homo sapiens. [Arabidopsis thaliana]		

Seq. No.	10435	Seq. ID	OJ990620_40.9920.C16
Gene No.	22049	Strand	-
Start	1018	End	3834
Name	OJ990620_40.9920.C16.o1.tm	Method	TBLASTX:Maize
Start	2684	End	3194
GI	none	Score	93
Exons	2684..2743, 2685..2744, 2834..2908, 2834..2908, 3024..3194, 3025..3063		

Seq. No.	10435	Seq. ID	OJ990620_40.9920.C16
Gene No.	22049	Strand	-
Start	1018	End	3834
Name	OJ990620_40.9920.C16.o1.ts	Method	TBLASTX:Soybean
Start	2690	End	3194
GI	none	Score	69
Exons	2690..2737, 2691..2744, 2832..2894, 2834..2905, 3024..3194		

Seq. No.	10436	Seq. ID	OJ990620_40.9920.C17
Gene No.	22050	Strand	+
Start	219	End	650
Name	OJ990620_40.9920.C17.o1.np	Method	AAT/NAP
Start	219	End	650
GI	6721516	Score	301
Exons	219..464, 609..650		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	10436	Seq. ID	OJ990620_40.9920.C17
Gene No.	22051	Strand	-
Start	418	End	550
Name	OJ990620_40.9920.C17.o1.gs	Method	GENSCAN
Start	418	End	550
GI	none	Score	.53
Exons	418..550		

Seq. No.	10437	Seq. ID	OJ990620_40.9920.C18
Gene No.	22052	Strand	+
Start	1	End	738
Name	OJ990620_40.9920.C18.o1.np	Method	AAT/NAP
Start	1	End	738
GI	6815052	Score	122
Exons	1..152, 615..738		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	10437	Seq. ID	OJ990620_40.9920.C18
Gene No.	22053	Strand	-
Start	48	End	716

Name	OJ990620_40.9920.C18.o1.gs	Method	GENSCAN
Start	48	End	716
GI	none	Score	.82
Exons	48..106, 611..716		

Seq. No.	10438	Seq. ID	OJ990620_40.9920.C22
Gene No.	22054	Strand	+
Start	431	End	862
Name	OJ990620_40.9920.C22.o1.gp	Method	AAT/GAP
Start	431	End	862
GI	LIB3479-006-Q6-K1-B11	Score	594
Exons	431..862		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 1.0e-110 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	10438	Seq. ID	OJ990620_40.9920.C22
Gene No.	22055	Strand	-
Start	1	End	642
Name	OJ990620_40.9920.C22.o1.np	Method	AAT/NAP
Start	1	End	642
GI	6539570	Score	122
Exons	1..39, 191..276, 449..642		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	10438	Seq. ID	OJ990620_40.9920.C22
Gene No.	22056	Strand	-
Start	779	End	1643
Name	OJ990620_40.9920.C22.o2.np	Method	AAT/NAP
Start	779	End	1643
GI	6630699	Score	95
Exons	779..857, 1538..1643		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	10439	Seq. ID	OJ990620_40.9920.C24
Gene No.	22057	Strand	+
Start	297	End	385
Name	OJ990620_40.9920.C24.o1.gs	Method	GENSCAN
Start	297	End	385
GI	none	Score	.62
Exons	297..385		

Seq. No.	10440	Seq. ID	OJ990620_40.9920.C25
Gene No.	22058	Strand	+
Start	193	End	374
Name	OJ990620_40.9920.C25.o1.tm	Method	TBLASTX:Maize
Start	192	End	374
GI	none	Score	272
Exons	192..374, 192..362		

Seq. No.	10440	Seq. ID	OJ990620_40.9920.C25
Gene No.	22058	Strand	+
Start	193	End	374
Name	OJ990620_40.9920.C25.o1.gs	Method	GENSCAN
Start	193	End	350
GI	none	Score	.92

Exons	193..350		
Seq. No.	10441	Seq. ID	OJ990620_40.9920.C26
Gene No.	22059	Strand	-
Start	58	End	1277
Name	OJ990620_40.9920.C26.o1.tw	Method	TBLASTX:Wheat
Start	3	End	1095
GI	none	Score	53
Exons	3..71, 14..70, 88..141, 141..185, 142..192, 208..348, 209..334, 264..350, 346..546, 356..499, 551..1051, 553..1095		
Seq. No.	10441	Seq. ID	OJ990620_40.9920.C26
Gene No.	22059	Strand	-
Start	58	End	1277
Name	OJ990620_40.9920.C26.o1.gs	Method	GENSCAN
Start	58	End	1248
GI	none	Score	.65
Exons	58..709, 925..997, 1092..1181, 1203..1248		
Seq. No.	10441	Seq. ID	OJ990620_40.9920.C26
Gene No.	22059	Strand	-
Start	58	End	1277
Name	OJ990620_40.9920.C26.o1.np	Method	AAT/NAP
Start	263	End	1277
GI	6742729	Score	824
Exons	263..1277		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		
Seq. No.	10441	Seq. ID	OJ990620_40.9920.C26
Gene No.	22059	Strand	-
Start	58	End	1277
Name	OJ990620_40.9920.C26.o1.tc	Method	TBLASTX:Cress
Start	382	End	804
GI	none	Score	47
Exons	382..546, 386..499, 551..796, 553..804		
Seq. No.	10441	Seq. ID	OJ990620_40.9920.C26
Gene No.	22059	Strand	-
Start	58	End	1277
Name	OJ990620_40.9920.C26.o1.tm	Method	TBLASTX:Maize
Start	739	End	1054
GI	none	Score	123
Exons	739..1053, 758..1054		
Seq. No.	10442	Seq. ID	OJ990620_40.9920.C28
Gene No.	22060	Strand	-
Start	296	End	465
Name	OJ990620_40.9920.C28.o1.gs	Method	GENSCAN
Start	296	End	465
GI	none	Score	.64
Exons	296..465		
Seq. No.	10443	Seq. ID	OJ990620_40.9920.C29
Gene No.	22061	Strand	+
Start	231	End	365
Name	OJ990620_40.9920.C29.o1.gs	Method	GENSCAN
Start	231	End	365

GI	none	Score	.83
Exons	231..365		

Seq. No.	10443	Seq. ID	OJ990620_40.9920.C29
Gene No.	22062	Strand	-
Start	1	End	376
Name	OJ990620_40.9920.C29.o1.np	Method	AAT/NAP
Start	1	End	376
GI	6324338	Score	71
Exons	1..19, 245..376		
GI Descrip.	RNA splicing factor RNA-dependent NTPase with DEAD-box motif; Prp2p gi|130804|sp|P20095|PR02_YEAST PRE-MRNA SPLICING FACTOR RNA HELICASE PRP2 gi|83432|pir||S12334 pre-mRNA splicing protein PRP2 - yeast (Saccharomyces cerevisiae) gi|4232|emb|CAA39401| (X55936) PRP2 (RNA2) protein [Saccharomyces cerevisiae] gi|4237|emb|CAA39471| (X55999) pre RNA processing protein [		

Seq. No.	10444	Seq. ID	OJ990620_40.9920.C30
Gene No.	22063	Strand	+
Start	1	End	1627
Name	OJ990620_40.9920.C30.o1.np	Method	AAT/NAP
Start	1	End	1627
GI	6539553	Score	2632
Exons	1..1627		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	10444	Seq. ID	OJ990620_40.9920.C30
Gene No.	22063	Strand	+
Start	1	End	1627
Name	OJ990620_40.9920.C30.o2.tm	Method	TBLASTX:Maize
Start	1	End	212
GI	none	Score	140
Exons	1..210, 2..211, 3..212		

Seq. No.	10444	Seq. ID	OJ990620_40.9920.C30
Gene No.	22063	Strand	+
Start	1	End	1627
Name	OJ990620_40.9920.C30.o1.gs	Method	GENSCAN
Start	3	End	1582
GI	none	Score	.67
Exons	3..627, 742..878, 1454..1582		

Seq. No.	10444	Seq. ID	OJ990620_40.9920.C30
Gene No.	22063	Strand	+
Start	1	End	1627
Name	OJ990620_40.9920.C30.o2.tw	Method	TBLASTX:Wheat
Start	3	End	152
GI	none	Score	169
Exons	3..152, 3..149, 23..151		

Seq. No.	10444	Seq. ID	OJ990620_40.9920.C30
Gene No.	22063	Strand	+
Start	1	End	1627
Name	OJ990620_40.9920.C30.o1.tm	Method	TBLASTX:Maize

Start	753	End	1118
GI	none	Score	297
Exons	753..1040, 806..1033, 898..1044, 1056..1118		

Seq. No.	10444	Seq. ID	OJ990620_40.9920.C30
Gene No.	22063	Strand	+
Start	1	End	1627
Name	OJ990620_40.9920.C30.o1.tw	Method	TBLASTX:Wheat
Start	1314	End	1627
GI	none	Score	52
Exons	1314..1349, 1314..1370, 1349..1561, 1357..1410, 1364..1423, 1371..1529, 1462..1545, 1520..1627, 1521..1625, 1535..1627		

Seq. No.	10445	Seq. ID	OJ990620_40.9920.C31
Gene No.	22064	Strand	+
Start	347	End	1081
Name	OJ990620_40.9920.C31.o1.np	Method	AAT/NAP
Start	347	End	1081
GI	1841357	Score	59
Exons	347..497, 1059..1081		
GI Descrip.	(D85382) mitochondrial ribosomal protein S11 (nuclear encoded) [Oryza sativa]		

Seq. No.	10446	Seq. ID	OJ990620_40.9920.C32
Gene No.	22065	Strand	+
Start	1	End	1965
Name	OJ990620_40.9920.C32.o1.np	Method	AAT/NAP
Start	1	End	1965
GI	4544372	Score	517
Exons	1..39, 735..1965		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	10446	Seq. ID	OJ990620_40.9920.C32
Gene No.	22065	Strand	+
Start	1	End	1965
Name	OJ990620_40.9920.C32.o1.gs	Method	GENSCAN
Start	493	End	1936
GI	none	Score	.67
Exons	493..901, 1107..1936		

Seq. No.	10446	Seq. ID	OJ990620_40.9920.C32
Gene No.	22066	Strand	+
Start	3229	End	3879
Name	OJ990620_40.9920.C32.o2.gs	Method	GENSCAN
Start	3229	End	3879
GI	none	Score	.4
Exons	3229..3376, 3523..3646, 3739..3829, 3874..3879		

Seq. No.	10446	Seq. ID	OJ990620_40.9920.C32
Gene No.	22067	Strand	-
Start	2936	End	3592
Name	OJ990620_40.9920.C32.o2.np	Method	AAT/NAP
Start	2936	End	3592
GI	6721559	Score	330
Exons	2936..3077, 3107..3592		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

gi|6815084|dbj|BAA90370.1| (AP001081) hypothetical protein [Oryza sativa]

Seq. No.	10446	Seq. ID	OJ990620_40.9920.C32
Gene No.	22068	Strand	-
Start	5725	End	6878
Name	OJ990620_40.9920.C32.o1.ts	Method	TBLASTX:Soybean
Start	124	End	534
GI	none	Score	140
Exons	124..261, 126..275, 282..449, 283..534		

Seq. No.	10446	Seq. ID	OJ990620_40.9920.C32
Gene No.	22068	Strand	-
Start	5725	End	6878
Name	OJ990620_40.9920.C32.o2.tw	Method	TBLASTX:Wheat
Start	169	End	567
GI	none	Score	73
Exons	169..258, 298..567		

Seq. No.	10446	Seq. ID	OJ990620_40.9920.C32
Gene No.	22068	Strand	-
Start	5725	End	6878
Name	OJ990620_40.9920.C32.o1.tw	Method	TBLASTX:Wheat
Start	1544	End	1918
GI	none	Score	212
Exons	1544..1918, 1774..1890		

Seq. No.	10446	Seq. ID	OJ990620_40.9920.C32
Gene No.	22068	Strand	-
Start	5725	End	6878
Name	OJ990620_40.9920.C32.o2.ts	Method	TBLASTX:Soybean
Start	1727	End	1967
GI	none	Score	202
Exons	1727..1909, 1727..1894, 1729..1899, 1935..1967		

Seq. No.	10446	Seq. ID	OJ990620_40.9920.C32
Gene No.	22068	Strand	-
Start	5725	End	6878
Name	OJ990620_40.9920.C32.o3.np	Method	AAT/NAP
Start	4874	End	5639
GI	4680183	Score	143
Exons	4874..4962, 5569..5639		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	10446	Seq. ID	OJ990620_40.9920.C32
Gene No.	22068	Strand	-
Start	5725	End	6878
Name	OJ990620_40.9920.C32.o3.gs	Method	GENSCAN
Start	5725	End	6878
GI	none	Score	.76
Exons	5725..6180, 6259..6342, 6441..6500, 6576..6878		

Seq. No.	10447	Seq. ID	OJ990620_40.9920.C35
Gene No.	22069	Strand	+
Start	59	End	117
Name	OJ990620_40.9920.C35.o1.gs	Method	GENSCAN
Start	59	End	117

GI	none	Score	.94
Exons	59..117		

Seq. No.	10447	Seq. ID	OJ990620_40.9920.C35
Gene No.	22070	Strand	-
Start	59	End	131
Name	OJ990620_40.9920.C35.o1.np	Method	AAT/NAP
Start	59	End	131
GI	5042448	Score	87
Exons	59..131		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	10448	Seq. ID	OJ990520_35.9922.C1
Gene No.	22071	Strand	+
Start	193	End	286
Name	OJ990520_35.9922.C1.o1.gs	Method	GENSCAN
Start	193	End	286
GI	none	Score	.41
Exons	193..286		

Seq. No.	10449	Seq. ID	OJ990520_35.9922.C2
Gene No.	22072	Strand	+
Start	7	End	2511
Name	OJ990520_35.9922.C2.o1.gs	Method	GENSCAN
Start	7	End	2511
GI	none	Score	.85
Exons	7..110, 282..406, 693..835, 1060..1272, 1350..1772, 1976..2089, 2167..2511		

Seq. No.	10449	Seq. ID	OJ990520_35.9922.C2
Gene No.	22073	Strand	-
Start	3258	End	9128
Name	OJ990520_35.9922.C2.o3.ts	Method	TBLASTX:Soybean
Start	3241	End	3518
GI	none	Score	54
Exons	3241..3309, 3273..3518, 3346..3516, 3351..3518		

Seq. No.	10449	Seq. ID	OJ990520_35.9922.C2
Gene No.	22073	Strand	-
Start	3258	End	9128
Name	OJ990520_35.9922.C2.o2.gs	Method	GENSCAN
Start	3258	End	5392
GI	none	Score	.74
Exons	3258..3539, 5039..5392		

Seq. No.	10449	Seq. ID	OJ990520_35.9922.C2
Gene No.	22073	Strand	-
Start	3258	End	9128
Name	OJ990520_35.9922.C2.o1.np	Method	AAT/NAP
Start	3279	End	9128
GI	4544372	Score	1097
Exons	3279..3539, 5039..6350, 6459..6860, 6921..7955, 9081..9128		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	10449	Seq. ID	OJ990520_35.9922.C2

Gene No.	22073	Strand	-
Start	3258	End	9128
Name	OJ990520_35.9922.C2.o2.tw	Method	TBLASTX:Wheat
Start	5189	End	5603
GI	none	Score	56
Exons	5189..5602, 5520..5603		

Seq. No.	10449	Seq. ID	OJ990520_35.9922.C2
Gene No.	22073	Strand	-
Start	3258	End	9128
Name	OJ990520_35.9922.C2.o3.tm	Method	TBLASTX:Maize
Start	5381	End	5762
GI	none	Score	64
Exons	5381..5605, 5631..5762		

Seq. No.	10449	Seq. ID	OJ990520_35.9922.C2
Gene No.	22073	Strand	-
Start	3258	End	9128
Name	OJ990520_35.9922.C2.o4.ts	Method	TBLASTX:Soybean
Start	5450	End	5759
GI	none	Score	63
Exons	5450..5632, 5538..5645, 5631..5759		

Seq. No.	10449	Seq. ID	OJ990520_35.9922.C2
Gene No.	22073	Strand	-
Start	3258	End	9128
Name	OJ990520_35.9922.C2.o3.gs	Method	GENSCAN
Start	5994	End	8035
GI	none	Score	.47
Exons	5994..6592, 6830..6993, 7390..7627, 7645..8035		

Seq. No.	10449	Seq. ID	OJ990520_35.9922.C2
Gene No.	22073	Strand	-
Start	3258	End	9128
Name	OJ990520_35.9922.C2.o2.ts	Method	TBLASTX:Soybean
Start	6213	End	6627
GI	none	Score	71
Exons	6213..6365, 6384..6467, 6385..6468, 6489..6626, 6493..6627		

Seq. No.	10449	Seq. ID	OJ990520_35.9922.C2
Gene No.	22073	Strand	-
Start	3258	End	9128
Name	OJ990520_35.9922.C2.o1.ts	Method	TBLASTX:Soybean
Start	6777	End	7247
GI	none	Score	92
Exons	6777..6965, 6790..6921, 6966..7247, 7072..7209, 7140..7247		

Seq. No.	10449	Seq. ID	OJ990520_35.9922.C2
Gene No.	22073	Strand	-
Start	3258	End	9128
Name	OJ990520_35.9922.C2.o3.tw	Method	TBLASTX:Wheat
Start	6864	End	7244
GI	none	Score	90
Exons	6864..6965, 6942..7244, 6982..7239		

Seq. No.	10449	Seq. ID	OJ990520_35.9922.C2
Gene No.	22073	Strand	-

Start	3258	End	9128
Name	OJ990520_35.9922.C2.o1.tm	Method	TBLASTX:Maize
Start	6933	End	7394
GI	none	Score	280
Exons	6933..7394, 6934..7392, 7005..7394		

Seq. No.	10449	Seq. ID	OJ990520_35.9922.C2
Gene No.	22073	Strand	-
Start	3258	End	9128
Name	OJ990520_35.9922.C2.o1.tw	Method	TBLASTX:Wheat
Start	7263	End	7667
GI	none	Score	218
Exons	7263..7598, 7263..7616, 7306..7605, 7502..7609, 7611..7667		

Seq. No.	10449	Seq. ID	OJ990520_35.9922.C2
Gene No.	22073	Strand	-
Start	3258	End	9128
Name	OJ990520_35.9922.C2.o2.tm	Method	TBLASTX:Maize
Start	7395	End	7613
GI	none	Score	201
Exons	7395..7613, 7396..7605		

Seq. No.	10449	Seq. ID	OJ990520_35.9922.C2
Gene No.	22073	Strand	-
Start	3258	End	9128
Name	OJ990520_35.9922.C2.o4.gs	Method	GENSCAN
Start	8179	End	8793
GI	none	Score	.98
Exons	8179..8793		

Seq. No.	10450	Seq. ID	OJ990520_35.9922.C3
Gene No.	22074	Strand	+
Start	1	End	885
Name	OJ990520_35.9922.C3.o1.np	Method	AAT/NAP
Start	1	End	885
GI	6630459	Score	67
Exons	1..64, 540..776, 848..885		
GI Descrip.	(AC007190) F23N19.12 [Arabidopsis thaliana]		

Seq. No.	10451	Seq. ID	OJ990520_35.9922.C4
Gene No.	22075	Strand	+
Start	71	End	3564
Name	OJ990520_35.9922.C4.o1.gs	Method	GENSCAN
Start	71	End	3564
GI	none	Score	.52
Exons	71..251, 1482..1654, 2194..2280, 3473..3564		

Seq. No.	10451	Seq. ID	OJ990520_35.9922.C4
Gene No.	22076	Strand	+
Start	10690	End	11973
Name	OJ990520_35.9922.C4.o3.gs	Method	GENSCAN
Start	10690	End	11973
GI	none	Score	.95
Exons	10690..10868, 10962..11101, 11312..11403, 11504..11590, 11702..11812, 11902..11973		

Seq. No.	10451	Seq. ID	OJ990520_35.9922.C4

Gene No.	22077	Strand	+
Start	25480	End	26211
Name	OJ990520_35.9922.C4.o5.gs	Method	GENSCAN
Start	25480	End	26211
GI	none	Score	.93
Exons	25480..25486, 25503..25597, 25900..26211		

Seq. No.	10451	Seq. ID	OJ990520_35.9922.C4
Gene No.	22078	Strand	+
Start	30984	End	31608
Name	OJ990520_35.9922.C4.o7.gs	Method	GENSCAN
Start	30984	End	31608
GI	none	Score	.75
Exons	30984..31132, 31353..31608		

Seq. No.	10451	Seq. ID	OJ990520_35.9922.C4
Gene No.	22079	Strand	-
Start	5241	End	6452
Name	OJ990520_35.9922.C4.o1.np	Method	AAT/NAP
Start	5241	End	6452
GI	5922636	Score	345
Exons	5241..5378, 5669..5903, 6380..6452		
GI Descrip.	(AP000492) ESTs C99517(E20319),AU078130(E20319) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016869|dbj|BAA85212.1| (AP000570) ESTs C99517(E20319),AU078130(E20319) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	10451	Seq. ID	OJ990520_35.9922.C4
Gene No.	22080	Strand	-
Start	8906	End	9251
Name	OJ990520_35.9922.C4.o1.gp	Method	AAT/GAP
Start	8906	End	9251
GI	427622	Score	655
Exons	8906..9251		

Seq. No.	10451	Seq. ID	OJ990520_35.9922.C4
Gene No.	22081	Strand	-
Start	9339	End	9709
Name	OJ990520_35.9922.C4.o2.gp	Method	AAT/GAP
Start	9339	End	9709
GI	5455575	Score	742
Exons	9339..9709		

Seq. No.	10451	Seq. ID	OJ990520_35.9922.C4
Gene No.	22082	Strand	-
Start	12475	End	21883
Name	OJ990520_35.9922.C4.o3.gp	Method	AAT/GAP
Start	12263	End	14029
GI	46066_1.R1084	Score	963
Exons	12263..12660, 12743..12820, 13954..14029		
GI Descrip.	'4455323/emb|CAB36783.1| 1.0e-21 (AL035525) aminopeptidase-like protein [Arabidopsis thaliana]'		

Seq. No.	10451	Seq. ID	OJ990520_35.9922.C4
Gene No.	22082	Strand	-
Start	12475	End	21883

Name	OJ990520_35.9922.C4.o4.gs	Method	GENSCAN
Start	12475	End	21883
GI	none	Score	.84
Exons	12475..12660, 12743..12820, 13954..14031, 14159..14226, 14313..14452, 14901..14998, 15110..15231, 15318..15609, 16405..16587, 17348..17514, 17735..17801, 18365..18481, 18834..18987, 19096..19189, 19307..19493, 19713..19815, 21425..21570, 21686..21883		

Seq. No.	10451	Seq. ID	OJ990520_35.9922.C4
Gene No.	22082	Strand	-
Start	12475	End	21883
Name	OJ990520_35.9922.C4.o2.np	Method	AAT/NAP
Start	12484	End	21871
GI	4455323	Score	2064
Exons	12484..12660, 12743..12820, 13954..14031, 14120..14226, 14313..14427, 14505..14682, 14901..14988, 15100..15231, 15318..15609, 16405..16587, 17348..17461, 18365..18481, 18834..18987, 19210..19493, 19713..19825, 21390..21566, 21652..21871		
GI Descrip.	(AL035525) aminopeptidase-like protein [Arabidopsis thaliana]		

Seq. No.	10451	Seq. ID	OJ990520_35.9922.C4
Gene No.	22083	Strand	-
Start	28189	End	31859
Name	OJ990520_35.9922.C4.o4.gp	Method	AAT/GAP
Start	27901	End	29149
GI	90620_1.R1084	Score	1353
Exons	27901..28544, 29097..29149		
GI Descrip.	'3928150/emb|CAA10289| 1.0e-56 (AJ131049) hypothetical protein [Cicer arietinum]'		

Seq. No.	10451	Seq. ID	OJ990520_35.9922.C4
Gene No.	22083	Strand	-
Start	28189	End	31859
Name	OJ990520_35.9922.C4.o3.np	Method	AAT/NAP
Start	28186	End	30060
GI	3928150	Score	1110
Exons	28186..28544, 29097..29193, 29266..29357, 29481..29601, 29872..30060		
GI Descrip.	(AJ131049) hypothetical protein [Cicer arietinum]		

Seq. No.	10451	Seq. ID	OJ990520_35.9922.C4
Gene No.	22083	Strand	-
Start	28189	End	31859
Name	OJ990520_35.9922.C4.o6.gs	Method	GENSCAN
Start	28189	End	30060
GI	none	Score	.98
Exons	28189..28544, 29097..29193, 29266..29357, 29481..29601, 29872..30060		

Seq. No.	10451	Seq. ID	OJ990520_35.9922.C4
Gene No.	22083	Strand	-
Start	28189	End	31859
Name	OJ990520_35.9922.C4.o5.gp	Method	AAT/GAP
Start	29271	End	31859
GI	25375_1.R1084	Score	922

Exons	29271..29357, 29481..29601, 29872..30067, 31762..31859		
GI Descrip.	'3928150/emb|CAA10289| 4.0e-50 (AJ131049) hypothetical protein [Cicer arietinum]'		

Seq. No.	10451	Seq. ID	OJ990520_35.9922.C4
Gene No.	22084	Strand	-
Start	32593	End	51434
Name	OJ990520_35.9922.C4.o5.ts	Method	TBLASTX:Soybean
Start	10960	End	11973
GI	none	Score	175
Exons	10960..11097, 10985..11110, 11504..11590, 11506..11592, 11698..11802, 11699..11806, 11899..11973, 11904..11972		

Seq. No.	10451	Seq. ID	OJ990520_35.9922.C4
Gene No.	22084	Strand	-
Start	32593	End	51434
Name	OJ990520_35.9922.C4.o4.tc	Method	TBLASTX:Cress
Start	12493	End	15190
GI	none	Score	117
Exons	12493..12660, 12515..12661, 12770..12826, 14309..14416, 14309..14428, 14311..14430, 14505..14678, 14509..14679, 14578..14679, 15104..15190		

Seq. No.	10451	Seq. ID	OJ990520_35.9922.C4
Gene No.	22084	Strand	-
Start	32593	End	51434
Name	OJ990520_35.9922.C4.o1.tm	Method	TBLASTX:Maize
Start	12560	End	16613
GI	none	Score	131
Exons	12560..12661, 12562..12675, 12742..12822, 12743..12826, 12744..12821, 13942..14055, 13954..14031, 14135..14206, 14156..14221, 14157..14240, 14158..14220, 14309..14428, 14311..14430, 14314..14436, 14476..14676, 14490..14708, 14506..14685, 14514..14708, 14905..14997, 14906..14998, 14915..14998, 14925..14999, 15104..15232, 15107..15232, 15108..15233, 15315..15452, 15316..15453, 15316..15483, 15484..15618, 15485..15643, 16398..16466, 16403..16591, 16404..16487, 16405..16593, 16406..16576, 16545..16613		

Seq. No.	10451	Seq. ID	OJ990520_35.9922.C4
Gene No.	22084	Strand	-
Start	32593	End	51434
Name	OJ990520_35.9922.C4.o2.ts	Method	TBLASTX:Soybean
Start	14506	End	16593
GI	none	Score	108
Exons	14506..14682, 14508..14735, 14900..14998, 15104..15232, 15316..15450, 15355..15453, 15496..15612, 15512..15607, 16405..16593, 16448..16576		

Seq. No.	10451	Seq. ID	OJ990520_35.9922.C4
Gene No.	22084	Strand	-
Start	32593	End	51434
Name	OJ990520_35.9922.C4.o6.tc	Method	TBLASTX:Cress
Start	15314	End	15649
GI	none	Score	60
Exons	15314..15448, 15316..15447, 15499..15627, 15503..15649		

Seq. No.	10451	Seq. ID	OJ990520_35.9922.C4
Gene No.	22084	Strand	-
Start	32593	End	51434
Name	OJ990520_35.9922.C4.o2.tc	Method	TBLASTX:Cress
Start	17348	End	18987
GI	none	Score	107
Exons	17348..17467, 17349..17462, 18362..18481, 18363..18482, 18556..18678, 18572..18679, 18831..18986, 18832..18984, 18865..18987		

Seq. No.	10451	Seq. ID	OJ990520_35.9922.C4
Gene No.	22084	Strand	-
Start	32593	End	51434
Name	OJ990520_35.9922.C4.o4.ts	Method	TBLASTX:Soybean
Start	18362	End	18908
GI	none	Score	109
Exons	18362..18481, 18363..18482, 18556..18678, 18572..18679, 18573..18680, 18831..18908		

Seq. No.	10451	Seq. ID	OJ990520_35.9922.C4
Gene No.	22084	Strand	-
Start	32593	End	51434
Name	OJ990520_35.9922.C4.o2.tm	Method	TBLASTX:Maize
Start	18438	End	19454
GI	none	Score	57
Exons	18438..18482, 18440..18481, 18577..18678, 18578..18679, 18578..18679, 18831..18986, 18832..18987, 18832..18999, 19085..19183, 19085..19183, 19095..19190, 19096..19194, 19302..19451, 19305..19454		

Seq. No.	10451	Seq. ID	OJ990520_35.9922.C4
Gene No.	22084	Strand	-
Start	32593	End	51434
Name	OJ990520_35.9922.C4.o6.ts	Method	TBLASTX:Soybean
Start	19149	End	19505
GI	none	Score	49
Exons	19149..19190, 19156..19194, 19300..19494, 19305..19493, 19326..19505, 19330..19494		

Seq. No.	10451	Seq. ID	OJ990520_35.9922.C4
Gene No.	22084	Strand	-
Start	32593	End	51434
Name	OJ990520_35.9922.C4.o8.ts	Method	TBLASTX:Soybean
Start	19703	End	21868
GI	none	Score	74
Exons	19703..19810, 19712..19810, 19713..19817, 19714..19821, 21427..21561, 21677..21868		

Seq. No.	10451	Seq. ID	OJ990520_35.9922.C4
Gene No.	22084	Strand	-
Start	32593	End	51434
Name	OJ990520_35.9922.C4.o5.tc	Method	TBLASTX:Cress
Start	19737	End	21868
GI	none	Score	79
Exons	19737..19817, 19738..19818, 21322..21354, 21425..21514, 21427..21567, 21677..21868		

Seq. No.	10451	Seq. ID	OJ990520_35.9922.C4
Gene No.	22084	Strand	-
Start	32593	End	51434
Name	OJ990520_35.9922.C4.o7.tm	Method	TBLASTX:Maize
Start	21472	End	21883
GI	none	Score	55
Exons	21472..21570, 21473..21577, 21674..21883, 21696..21740, 21831..21863		

Seq. No.	10451	Seq. ID	OJ990520_35.9922.C4
Gene No.	22084	Strand	-
Start	32593	End	51434
Name	OJ990520_35.9922.C4.o3.tm	Method	TBLASTX:Maize
Start	28187	End	28533
GI	none	Score	378
Exons	28187..28462, 28195..28533, 28199..28501		

Seq. No.	10451	Seq. ID	OJ990520_35.9922.C4
Gene No.	22084	Strand	-
Start	32593	End	51434
Name	OJ990520_35.9922.C4.o1.ts	Method	TBLASTX:Soybean
Start	28200	End	30067
GI	none	Score	91
Exons	28200..28349, 28201..28551, 28214..28501, 28257..28553, 28582..28608, 29098..29193, 29099..29197, 29264..29353, 29265..29354, 29266..29355, 29266..29376, 29336..29365, 29477..29602, 29481..29603, 29481..29603, 29482..29604, 29482..29604, 29857..30060, 29870..30061, 29870..30067		

Seq. No.	10451	Seq. ID	OJ990520_35.9922.C4
Gene No.	22084	Strand	-
Start	32593	End	51434
Name	OJ990520_35.9922.C4.o1.tc	Method	TBLASTX:Cress
Start	28204	End	29179
GI	none	Score	321
Exons	28204..28551, 28214..28501, 29119..29178, 29123..29179		

Seq. No.	10451	Seq. ID	OJ990520_35.9922.C4
Gene No.	22084	Strand	-
Start	32593	End	51434
Name	OJ990520_35.9922.C4.o3.tw	Method	TBLASTX:Wheat
Start	28309	End	28482
GI	none	Score	126
Exons	28309..28359, 28351..28473, 28361..28474, 28365..28478, 28366..28482		

Seq. No.	10451	Seq. ID	OJ990520_35.9922.C4
Gene No.	22084	Strand	-
Start	32593	End	51434
Name	OJ990520_35.9922.C4.o5.tm	Method	TBLASTX:Maize
Start	29095	End	30070
GI	none	Score	131
Exons	29095..29196, 29098..29193, 29099..29197, 29265..29315, 29265..29354, 29266..29355, 29266..29376, 29318..29365, 29477..29602, 29481..29618, 29482..29604, 29857..30069, 29870..30070		

Seq. No.	10451	Seq. ID	OJ990520_35.9922.C4
Gene No.	22084	Strand	-
Start	32593	End	51434
Name	OJ990520_35.9922.C4.o2.tw	Method	TBLASTX:Wheat
Start	29098	End	29937
GI	none	Score	143
Exons	29098..29193, 29099..29197, 29102..29194, 29142..29219, 29265..29330, 29266..29367, 29266..29376, 29477..29602, 29478..29603, 29482..29604, 29482..29604, 29857..29937		

Seq. No.	10451	Seq. ID	OJ990520_35.9922.C4
Gene No.	22084	Strand	-
Start	32593	End	51434
Name	OJ990520_35.9922.C4.o3.tc	Method	TBLASTX:Cress
Start	29251	End	30067
GI	none	Score	69
Exons	29251..29373, 29266..29385, 29477..29602, 29482..29610, 29482..29604, 29857..30060, 29870..30067, 29880..30065		

Seq. No.	10451	Seq. ID	OJ990520_35.9922.C4
Gene No.	22084	Strand	-
Start	32593	End	51434
Name	OJ990520_35.9922.C4.o4.tw	Method	TBLASTX:Wheat
Start	29938	End	30072
GI	none	Score	114
Exons	29938..30072, 29940..30068, 29942..30070		

Seq. No.	10451	Seq. ID	OJ990520_35.9922.C4
Gene No.	22084	Strand	-
Start	32593	End	51434
Name	OJ990520_35.9922.C4.o8.gs	Method	GENSCAN
Start	32593	End	51434
GI	none	Score	.73
Exons	32593..32787, 33307..33403, 36189..36487, 36638..36726, 36850..36955, 37058..37186, 37597..37689, 37888..38088, 38378..38730, 38840..38965, 39228..39390, 39490..39648, 40086..40210, 40314..40433, 40547..40688, 40803..40906, 41245..41422, 41640..41800, 42105..42259, 42389..42501, 42661..42804, 43715..43739, 45371..45666, 46125..46264, 46826..46979, 47080..47441, 47676..47801, 47886..48048, 48132..48290, 48380..48504, 48600..48728, 48979..49064, 49381..49417, 49441..49585, 49690..49772, 50019..50326, 50375..50568, 51374..51434		

Seq. No.	10451	Seq. ID	OJ990520_35.9922.C4
Gene No.	22084	Strand	-
Start	32593	End	51434
Name	OJ990520_35.9922.C4.o6.gp	Method	AAT/GAP
Start	34421	End	34505
GI	3760640	Score	77
Exons	34421..34505		
GI Descrip.	4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	10451	Seq. ID	OJ990520_35.9922.C4
Gene No.	22084	Strand	-
Start	32593	End	51434

Name	OJ990520_35.9922.C4.o4.np	Method	AAT/NAP
Start	36191	End	38730
GI	4741193	Score	792
Exons	36191..36487, 36638..36726, 36850..36955, 37058..37186, 37395..37501, 37575..37689, 38378..38730		
GI Descrip.	(AL049746) ABC transporter-like protein [Arabidopsis thaliana]		

Seq. No.	10451	Seq. ID	OJ990520_35.9922.C4
Gene No.	22084	Strand	-
Start	32593	End	51434
Name	OJ990520_35.9922.C4.o9.ts	Method	TBLASTX:Soybean
Start	36206	End	45549
GI	none	Score	154
Exons	36206..36256, 36338..36370, 45364..45549, 45392..45547		

Seq. No.	10451	Seq. ID	OJ990520_35.9922.C4
Gene No.	22084	Strand	-
Start	32593	End	51434
Name	OJ990520_35.9922.C4.o4.tm	Method	TBLASTX:Maize
Start	36209	End	46059
GI	none	Score	297
Exons	36209..36256, 36323..36490, 45362..45667, 45364..45669, 45772..45810, 45909..46046, 45940..46059		

Seq. No.	10451	Seq. ID	OJ990520_35.9922.C4
Gene No.	22084	Strand	-
Start	32593	End	51434
Name	OJ990520_35.9922.C4.o3.ts	Method	TBLASTX:Soybean
Start	36849	End	46600
GI	none	Score	79
Exons	36849..36938, 36851..36955, 36869..36979, 37052..37195, 37053..37196, 37390..37479, 37404..37478, 37574..37603, 37579..37611, 45930..46046, 45940..46047, 45944..46048, 45945..46052, 46119..46265, 46120..46254, 46131..46256, 46394..46486, 46404..46472, 46548..46598, 46568..46600		

Seq. No.	10451	Seq. ID	OJ990520_35.9922.C4
Gene No.	22084	Strand	-
Start	32593	End	51434
Name	OJ990520_35.9922.C4.o8.tm	Method	TBLASTX:Maize
Start	36849	End	46670
GI	none	Score	73
Exons	36849..36938, 36869..36952, 37052..37195, 37053..37193, 37333..37365, 37390..37479, 37394..37480, 37404..37481, 37571..37681, 37585..37680, 46125..46265, 46126..46254, 46131..46265, 46388..46507, 46389..46472, 46560..46670, 46574..46669		

Seq. No.	10451	Seq. ID	OJ990520_35.9922.C4
Gene No.	22084	Strand	-
Start	32593	End	51434
Name	OJ990520_35.9922.C4.o6.tm	Method	TBLASTX:Maize
Start	37987	End	47610
GI	none	Score	143
Exons	37987..38091, 38514..38714, 38519..38725, 38841..38924, 46870..46980, 46876..46950, 46878..46985, 47152..47448, 47165..47440, 47173..47442, 47521..47610, 47531..47608		

Seq. No.	10451	Seq. ID	OJ990520_35.9922.C4
Gene No.	22084	Strand	-
Start	32593	End	51434
Name	OJ990520_35.9922.C4.o1.tw	Method	TBLASTX:Wheat
Start	38482	End	47440
GI	none	Score	136
Exons	38482..38685, 38519..38725, 38529..38720, 47080..47148, 47080..47169, 47176..47439, 47180..47440, 47197..47439		

Seq. No.	10451	Seq. ID	OJ990520_35.9922.C4
Gene No.	22084	Strand	-
Start	32593	End	51434
Name	OJ990520_35.9922.C4.o7.ts	Method	TBLASTX:Soybean
Start	38520	End	47436
GI	none	Score	108
Exons	38520..38726, 38576..38725, 47209..47436, 47210..47434		

Seq. No.	10451	Seq. ID	OJ990520_35.9922.C4
Gene No.	22084	Strand	-
Start	32593	End	51434
Name	OJ990520_35.9922.C4.o9.tm	Method	TBLASTX:Maize
Start	39017	End	48018
GI	none	Score	61
Exons	39017..39133, 39028..39132, 39226..39360, 39227..39355, 39241..39357, 47684..47803, 47728..47802, 47884..48018, 47885..47971		

Seq. No.	10451	Seq. ID	OJ990520_35.9922.C4
Gene No.	22084	Strand	-
Start	32593	End	51434
Name	OJ990520_35.9922.C4.o7.gp	Method	AAT/GAP
Start	45271	End	46479
GI	60338_1.R1084	Score	1495
Exons	45271..45666, 45775..45863, 45941..46046, 46125..46253, 46388..46479		
GI Descrip.	'4741195/emb|CAB41861.1| 1.0e-101 (AL049746) ABC transporter-like protein [Arabidopsis thaliana]'		

Seq. No.	10451	Seq. ID	OJ990520_35.9922.C4
Gene No.	22084	Strand	-
Start	32593	End	51434
Name	OJ990520_35.9922.C4.o5.np	Method	AAT/NAP
Start	45370	End	50234
GI	4741195	Score	2352
Exons	45370..45666, 45775..45863, 45941..46046, 46125..46253, 46388..46472, 46569..46678, 46779..46975, 47076..47441, 47520..47603, 47676..47801, 47886..48048, 48132..48290, 48380..48504, 48600..48728, 49441..49562, 49781..50234		
GI Descrip.	(AL049746) ABC transporter-like protein [Arabidopsis thaliana]		

Seq. No.	10452	Seq. ID	OJ990520_35.9922.C5
Gene No.	22085	Strand	-
Start	23	End	3629
Name	OJ990520_35.9922.C5.o1.gs	Method	GENSCAN
Start	23	End	2302
GI	none	Score	.45

Exons	23..238, 959..1290, 1355..1432, 1714..1878, 2110..2302		
Seq. No.	10452	Seq. ID	OJ990520_35.9922.C5
Gene No.	22085	Strand	-
Start	23	End	3629
Name	OJ990520_35.9922.C5.o2.np	Method	AAT/NAP
Start	281	End	3629
GI	5042463	Score	108
Exons	281..324, 2190..2302, 2354..2488, 3152..3426, 3583..3629		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		
Seq. No.	10453	Seq. ID	OJ990520_35.9922.C6
Gene No.	22086	Strand	+
Start	149	End	1462
Name	OJ990520_35.9922.C6.o1.gs	Method	GENSCAN
Start	149	End	1462
GI	none	Score	.67
Exons	149..215, 1272..1462		
Seq. No.	10453	Seq. ID	OJ990520_35.9922.C6
Gene No.	22087	Strand	+
Start	2623	End	3046
Name	OJ990520_35.9922.C6.o1.np	Method	AAT/NAP
Start	2623	End	3046
GI	4539658	Score	60
Exons	2623..2732, 3026..3046		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		
Seq. No.	10453	Seq. ID	OJ990520_35.9922.C6
Gene No.	22088	Strand	+
Start	3980	End	4790
Name	OJ990520_35.9922.C6.o1.gp	Method	AAT/GAP
Start	3980	End	4790
GI	none	Score	1581
Exons	3980..4790		
Seq. No.	10453	Seq. ID	OJ990520_35.9922.C6
Gene No.	22089	Strand	+
Start	22610	End	22799
Name	OJ990520_35.9922.C6.o5.np	Method	AAT/NAP
Start	22610	End	22799
GI	6016874	Score	117
Exons	22610..22799		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		
Seq. No.	10453	Seq. ID	OJ990520_35.9922.C6
Gene No.	22090	Strand	+
Start	37189	End	37459
Name	OJ990520_35.9922.C6.o4.gp	Method	AAT/GAP
Start	37189	End	37459
GI	23880_2.R1084	Score	184
Exons	37189..37290, 37385..37459		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	10453	Seq. ID	OJ990520_35.9922.C6
Gene No.	22091	Strand	+
Start	37592	End	47347
Name	OJ990520_35.9922.C6.o8.np	Method	AAT/NAP
Start	37592	End	42737
GI	5669636	Score	933
Exons	37592..37892, 37986..38158, 38548..38628, 40921..41095, 41635..41819, 42376..42501, 42606..42737		
GI Descrip.	(AF096247) ethylene-responsive elongation factor EF-Ts precursor [Lycopersicon esculentum]		

Seq. No.	10453	Seq. ID	OJ990520_35.9922.C6
Gene No.	22091	Strand	+
Start	37592	End	47347
Name	OJ990520_35.9922.C6.o5.gp	Method	AAT/GAP
Start	38545	End	40995
GI	none	Score	270
Exons	38545..38628, 40921..40995		

Seq. No.	10453	Seq. ID	OJ990520_35.9922.C6
Gene No.	22091	Strand	+
Start	37592	End	47347
Name	OJ990520_35.9922.C6.o8.gs	Method	GENSCAN
Start	40915	End	47268
GI	none	Score	.73
Exons	40915..41095, 41635..41819, 42376..42501, 42606..42695, 43874..43987, 47119..47268		

Seq. No.	10453	Seq. ID	OJ990520_35.9922.C6
Gene No.	22091	Strand	+
Start	37592	End	47347
Name	OJ990520_35.9922.C6.o9.np	Method	AAT/NAP
Start	47054	End	47347
GI	6539588	Score	166
Exons	47054..47347		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	10453	Seq. ID	OJ990520_35.9922.C6
Gene No.	22092	Strand	+
Start	53383	End	54058
Name	OJ990520_35.9922.C6.o10.gs	Method	GENSCAN
Start	53383	End	54058
GI	none	Score	.72
Exons	53383..53458, 53937..54058		

Seq. No.	10453	Seq. ID	OJ990520_35.9922.C6
Gene No.	22093	Strand	-
Start	4569	End	8002
Name	OJ990520_35.9922.C6.o2.np	Method	AAT/NAP
Start	4569	End	6642
GI	4415936	Score	420
Exons	4569..5091, 5847..6096, 6241..6642		
GI Descrip.	(AC006418) unknown protein [Arabidopsis thaliana]		

Seq. No.	10453	Seq. ID	OJ990520_35.9922.C6
Gene No.	22093	Strand	-

Start	4569	End	8002
Name	OJ990520_35.9922.C6.o2.gp	Method	AAT/GAP
Start	4947	End	8002
GI	23995_1.R1084	Score	2347
Exons	4947..5063, 5687..6669, 7858..8002		
GI Descrip.	'4415936/gb|AAD20166| 9.0e-09 (AC006418) unknown protein [Arabidopsis thaliana]'		

Seq. No.	10453	Seq. ID	OJ990520_35.9922.C6
Gene No.	22094	Strand	-
Start	13483	End	16043
Name	OJ990520_35.9922.C6.o4.np	Method	AAT/NAP
Start	13483	End	16043
GI	5903099	Score	679
Exons	13483..15007, 15901..16043		
GI Descrip.	(AC008017) Unknown protein [Arabidopsis thaliana]		

Seq. No.	10453	Seq. ID	OJ990520_35.9922.C6
Gene No.	22095	Strand	-
Start	20152	End	22335
Name	OJ990520_35.9922.C6.o4.gs	Method	GENSCAN
Start	20152	End	22335
GI	none	Score	.64
Exons	20152..20283, 20629..20807, 22314..22335		

Seq. No.	10453	Seq. ID	OJ990520_35.9922.C6
Gene No.	22096	Strand	-
Start	22871	End	35822
Name	OJ990520_35.9922.C6.o5.gs	Method	GENSCAN
Start	22871	End	33866
GI	none	Score	.42
Exons	22871..23074, 25335..25413, 26317..26601, 27075..27143, 28578..28664, 28937..31733, 31879..32149, 32592..32776, 33626..33866		

Seq. No.	10453	Seq. ID	OJ990520_35.9922.C6
Gene No.	22096	Strand	-
Start	22871	End	35822
Name	OJ990520_35.9922.C6.o6.np	Method	AAT/NAP
Start	26806	End	35822
GI	4455323	Score	258
Exons	26806..26962, 27054..27145, 28224..28300, 28384..28498, 28601..28705, 28785..28962, 35754..35822		
GI Descrip.	(AL035525) aminopeptidase-like protein [Arabidopsis thaliana]		

Seq. No.	10453	Seq. ID	OJ990520_35.9922.C6
Gene No.	22096	Strand	-
Start	22871	End	35822
Name	OJ990520_35.9922.C6.o7.np	Method	AAT/NAP
Start	27048	End	31096
GI	5903099	Score	173
Exons	27048..27163, 28993..29481, 30964..31096		
GI Descrip.	(AC008017) Unknown protein [Arabidopsis thaliana]		

Seq. No.	10453	Seq. ID	OJ990520_35.9922.C6
Gene No.	22097	Strand	-
Start	37094	End	39087

Name	OJ990520_35.9922.C6.o7.gs	Method	GENSCAN
Start	37094	End	39087
GI	none	Score	.58
Exons	37094..37489, 37730..37822, 37939..38112, 38947..39087		

Seq. No.	10453	Seq. ID	OJ990520_35.9922.C6
Gene No.	22098	Strand	-
Start	44641	End	54030
Name	OJ990520_35.9922.C6.o10.np	Method	AAT/NAP
Start	44641	End	54030
GI	2459412	Score	179
Exons	44641..44686, 49147..49691, 52018..52159, 53999..54030		
GI Descrip.	(AC002332) similar to mammalian MHC III region protein G9a [Arabidopsis thaliana]		

Seq. No.	10453	Seq. ID	OJ990520_35.9922.C6
Gene No.	22099	Strand	-
Start	56497	End	56859
Name	OJ990520_35.9922.C6.o4.tm	Method	TBLASTX:Maize
Start	4579	End	6111
GI	none	Score	48
Exons	4579..4764, 4590..4670, 4643..4771, 4661..4777, 4769..5062, 4770..5063, 5699..5725, 5708..5785, 5722..5778, 5799..6047, 5839..6111, 5851..6072, 5876..6100		

Seq. No.	10453	Seq. ID	OJ990520_35.9922.C6
Gene No.	22099	Strand	-
Start	56497	End	56859
Name	OJ990520_35.9922.C6.o4.ts	Method	TBLASTX:Soybean
Start	4822	End	6003
GI	none	Score	118
Exons	4822..4989, 4823..5023, 4824..4964, 4826..4987, 5899..6003		

Seq. No.	10453	Seq. ID	OJ990520_35.9922.C6
Gene No.	22099	Strand	-
Start	56497	End	56859
Name	OJ990520_35.9922.C6.o5.tm	Method	TBLASTX:Maize
Start	6142	End	6457
GI	none	Score	245
Exons	6142..6453, 6143..6451, 6143..6457		

Seq. No.	10453	Seq. ID	OJ990520_35.9922.C6
Gene No.	22099	Strand	-
Start	56497	End	56859
Name	OJ990520_35.9922.C6.o1.ts	Method	TBLASTX:Soybean
Start	13477	End	13770
GI	none	Score	153
Exons	13477..13770, 13482..13757, 13483..13764		

Seq. No.	10453	Seq. ID	OJ990520_35.9922.C6
Gene No.	22099	Strand	-
Start	56497	End	56859
Name	OJ990520_35.9922.C6.o1.tm	Method	TBLASTX:Maize
Start	13555	End	14140
GI	none	Score	210
Exons	13555..13749, 13556..13750, 13562..13750, 13801..14139, 13808..14017, 13925..14140, 13957..14136, 14060..14140		

Seq. No.	10453	Seq. ID	OJ990520_35.9922.C6
Gene No.	22099	Strand	-
Start	56497	End	56859
Name	OJ990520_35.9922.C6.o3.ts	Method	TBLASTX:Soybean
Start	13903	End	14274
GI	none	Score	65
Exons	13903..14082, 13903..14154, 13919..14194, 14130..14207, 14152..14274		

Seq. No.	10453	Seq. ID	OJ990520_35.9922.C6
Gene No.	22099	Strand	-
Start	56497	End	56859
Name	OJ990520_35.9922.C6.o2.tw	Method	TBLASTX:Wheat
Start	14071	End	29094
GI	none	Score	46
Exons	14071..14361, 14389..14451, 14452..14496, 28987..29049, 29050..29094		

Seq. No.	10453	Seq. ID	OJ990520_35.9922.C6
Gene No.	22099	Strand	-
Start	56497	End	56859
Name	OJ990520_35.9922.C6.o6.tm	Method	TBLASTX:Maize
Start	14398	End	56847
GI	none	Score	153
Exons	14398..14442, 14443..14496, 14548..14742, 14767..14835, 28996..29040, 29041..29094, 29146..29340, 29365..29532, 49185..49238, 49290..49484, 49509..49673, 56548..56601, 56653..56847		

Seq. No.	10453	Seq. ID	OJ990520_35.9922.C6
Gene No.	22099	Strand	-
Start	56497	End	56859
Name	OJ990520_35.9922.C6.o2.tc	Method	TBLASTX:Cress
Start	26840	End	28959
GI	none	Score	155
Exons	26840..26902, 28785..28958, 28789..28959		

Seq. No.	10453	Seq. ID	OJ990520_35.9922.C6
Gene No.	22099	Strand	-
Start	56497	End	56859
Name	OJ990520_35.9922.C6.o3.tm	Method	TBLASTX:Maize
Start	26871	End	56322
GI	none	Score	66
Exons	26871..26915, 26873..26902, 26911..26970, 26928..26972, 27085..27132, 28234..28311, 28235..28324, 28421..28501, 28422..28490, 28606..28707, 28607..28708, 28773..28967, 28784..28951, 28785..28958, 28787..28972, 48917..48979, 48920..48979, 48962..49000, 48967..49008, 56278..56322		

Seq. No.	10453	Seq. ID	OJ990520_35.9922.C6
Gene No.	22099	Strand	-
Start	56497	End	56859
Name	OJ990520_35.9922.C6.o2.tm	Method	TBLASTX:Maize
Start	37594	End	42701
GI	none	Score	189
Exons	37594..37890, 37616..37891, 37621..37890, 37622..37891,		

37961..38164, 37984..38157, 37989..38159, 38547..38624,
38547..38627, 40912..41097, 40918..41097, 40932..41099,
41612..41674, 41629..41820, 41649..41819, 41658..41837,
42372..42512, 42376..42492, 42439..42519, 42597..42701,
42605..42685

Seq. No.	10453	Seq. ID	OJ990520_35.9922.C6
Gene No.	22099	Strand	-
Start	56497	End	56859
Name	OJ990520_35.9922.C6.o3.tw	Method	TBLASTX:Wheat
Start	37609	End	37837
GI	none	Score	233
Exons	37609..37836, 37610..37837		

Seq. No.	10453	Seq. ID	OJ990520_35.9922.C6
Gene No.	22099	Strand	-
Start	56497	End	56859
Name	OJ990520_35.9922.C6.o1.tc	Method	TBLASTX:Cress
Start	37759	End	38091
GI	none	Score	63
Exons	37759..37887, 37795..37887, 37796..37891, 37796..37888, 37961..38086, 37984..38076, 37985..38083, 37990..38091		

Seq. No.	10453	Seq. ID	OJ990520_35.9922.C6
Gene No.	22099	Strand	-
Start	56497	End	56859
Name	OJ990520_35.9922.C6.o2.ts	Method	TBLASTX:Soybean
Start	37792	End	41028
GI	none	Score	130
Exons	37792..37890, 37793..37891, 37984..38148, 37991..38158, 40915..41028, 40932..41027		

Seq. No.	10453	Seq. ID	OJ990520_35.9922.C6
Gene No.	22099	Strand	-
Start	56497	End	56859
Name	OJ990520_35.9922.C6.o1.tw	Method	TBLASTX:Wheat
Start	40918	End	42430
GI	none	Score	274
Exons	40918..41097, 40920..41096, 40941..41099, 41615..41674, 41620..41838, 41658..41837, 42353..42430, 42371..42430		

Seq. No.	10453	Seq. ID	OJ990520_35.9922.C6
Gene No.	22099	Strand	-
Start	56497	End	56859
Name	OJ990520_35.9922.C6.o12.np	Method	AAT/NAP
Start	55742	End	56859
GI	3668088	Score	191
Exons	55742..55779, 56508..56859		
GI Descrip.	(AC004667) similar to mammalian MHC III region protein G9a [Arabidopsis thaliana]		

Seq. No.	10453	Seq. ID	OJ990520_35.9922.C6
Gene No.	22099	Strand	-
Start	56497	End	56859
Name	OJ990520_35.9922.C6.o11.gs	Method	GENSCAN
Start	56497	End	56806
GI	none	Score	.73

Exons	56497..56806		
Seq. No.	10454	Seq. ID	OJ990520_35.9922.C7
Gene No.	22100	Strand	+
Start	489	End	813
Name	OJ990520_35.9922.C7.o1.np	Method	AAT/NAP
Start	489	End	813
GI	2498930	Score	183
Exons	489..552, 720..813		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		
Seq. No.	10454	Seq. ID	OJ990520_35.9922.C7
Gene No.	22100	Strand	+
Start	489	End	813
Name	OJ990520_35.9922.C7.o1.gs	Method	GENSCAN
Start	493	End	764
GI	none	Score	.93
Exons	493..552, 720..764		
Seq. No.	10455	Seq. ID	OJ990520_34.9922.C1
Gene No.	22101	Strand	+
Start	584	End	1633
Name	OJ990520_34.9922.C1.o1.gs	Method	GENSCAN
Start	584	End	1633
GI	none	Score	.75
Exons	584..666, 1446..1633		
Seq. No.	10455	Seq. ID	OJ990520_34.9922.C1
Gene No.	22102	Strand	-
Start	2361	End	2742
Name	OJ990520_34.9922.C1.o2.gs	Method	GENSCAN
Start	2361	End	2742
GI	none	Score	.79
Exons	2361..2597, 2635..2742		
Seq. No.	10456	Seq. ID	OJ990520_34.9922.C2
Gene No.	22103	Strand	+
Start	18766	End	26476
Name	OJ990520_34.9922.C2.o4.np	Method	AAT/NAP
Start	18766	End	23828
GI	5295955	Score	582
Exons	18766..18791, 19100..19171, 21269..21338, 21880..21994, 22676..22773, 22806..23144, 23237..23828		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		
Seq. No.	10456	Seq. ID	OJ990520_34.9922.C2
Gene No.	22103	Strand	+
Start	18766	End	26476
Name	OJ990520_34.9922.C2.o4.gs	Method	GENSCAN
Start	19300	End	26476
GI	none	Score	.43
Exons	19300..19363, 19984..20053, 20316..20467, 20560..20626, 21269..21338, 21880..22003, 22681..23180, 23188..23371, 23565..23722, 26039..26282, 26382..26476		

Seq. No.	10456	Seq. ID	OJ990520_34.9922.C2
Gene No.	22104	Strand	+
Start	29036	End	29772
Name	OJ990520_34.9922.C2.o2.gp	Method	AAT/GAP
Start	29036	End	29772
GI	101153_1.R1084	Score	364
Exons	29036..29061, 29529..29772		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	10456	Seq. ID	OJ990520_34.9922.C2
Gene No.	22105	Strand	+
Start	31103	End	56975
Name	OJ990520_34.9922.C2.o3.gp	Method	AAT/GAP
Start	30770	End	31021
GI	61605_3.R1084	Score	379
Exons	30770..31021		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	10456	Seq. ID	OJ990520_34.9922.C2
Gene No.	22105	Strand	+
Start	31103	End	56975
Name	OJ990520_34.9922.C2.o6.gs	Method	GENSCAN
Start	31103	End	43239
GI	none	Score	.5
Exons	31103..31307, 31752..31966, 32000..32350, 32491..32768, 33108..33149, 33278..33881, 34046..34280, 34324..34331, 35159..35352, 35382..35682, 36818..36946, 37965..38057, 38450..38713, 39056..39564, 39864..40616, 40732..41203, 41287..43239		

Seq. No.	10456	Seq. ID	OJ990520_34.9922.C2
Gene No.	22105	Strand	+
Start	31103	End	56975
Name	OJ990520_34.9922.C2.o5.np	Method	AAT/NAP
Start	32416	End	37562
GI	2583130	Score	968
Exons	32416..34607, 37505..37562		
GI Descrip.	(AC002387) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	10456	Seq. ID	OJ990520_34.9922.C2
Gene No.	22105	Strand	+
Start	31103	End	56975
Name	OJ990520_34.9922.C2.o8.np	Method	AAT/NAP
Start	42392	End	55117
GI	4416302	Score	2470
Exons	42392..42536, 45880..46288, 52931..55117		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	10456	Seq. ID	OJ990520_34.9922.C2
Gene No.	22105	Strand	+
Start	31103	End	56975
Name	OJ990520_34.9922.C2.o10.gs	Method	GENSCAN
Start	52770	End	56975
GI	none	Score	.41

Exons	52770..52912, 53167..55071, 56039..56096, 56513..56534, 56701..56975		
Seq. No.	10456	Seq. ID	OJ990520_34.9922.C2
Gene No.	22106	Strand	-
Start	1215	End	4351
Name	OJ990520_34.9922.C2.o1.np	Method	AAT/NAP
Start	1215	End	4351
GI	6063554	Score	125
Exons	1215..1247, 2390..2636, 4328..4351		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	10456	Seq. ID	OJ990520_34.9922.C2
Gene No.	22107	Strand	-
Start	9216	End	14468
Name	OJ990520_34.9922.C2.o2.gs	Method	GENSCAN
Start	9216	End	14468
GI	none	Score	.49
Exons	9216..9334, 11886..12006, 12067..12113, 12459..12726, 13172..13302, 13510..13591, 13667..13827, 14033..14468		

Seq. No.	10456	Seq. ID	OJ990520_34.9922.C2
Gene No.	22107	Strand	-
Start	9216	End	14468
Name	OJ990520_34.9922.C2.o2.np	Method	AAT/NAP
Start	12043	End	12450
GI	2462640	Score	470
Exons	12043..12450		
GI Descrip.	(Y13370) reverse transcriptase [Oryza sativa]		

Seq. No.	10456	Seq. ID	OJ990520_34.9922.C2
Gene No.	22108	Strand	-
Start	15712	End	18978
Name	OJ990520_34.9922.C2.o1.gp	Method	AAT/GAP
Start	15712	End	17405
GI	31291_1.R1084	Score	1128
Exons	15712..16007, 16107..16196, 16279..16359, 16924..16970, 17297..17405		
GI Descrip.	'5813796/gb|AAD52015.1|AF082862_1 3.0e-15 (AF082862) unknown [Pisum sativum]'		

Seq. No.	10456	Seq. ID	OJ990520_34.9922.C2
Gene No.	22108	Strand	-
Start	15712	End	18978
Name	OJ990520_34.9922.C2.o3.np	Method	AAT/NAP
Start	15861	End	18978
GI	6561963	Score	649
Exons	15861..16007, 16107..16196, 16279..16359, 16924..16970, 17157..17190, 17326..17456, 17566..17624, 18119..18186, 18270..18333, 18454..18572, 18699..18978		
GI Descrip.	(AL132964) putative protein [Arabidopsis thaliana]		

Seq. No.	10456	Seq. ID	OJ990520_34.9922.C2
Gene No.	22108	Strand	-
Start	15712	End	18978

Name	OJ990520_34.9922.C2.o3.gs	Method	GENSCAN
Start	15879	End	18776
GI	none	Score	.6
Exons	15879..16007, 16107..16196, 16344..16359, 17297..17456, 18299..18333, 18454..18572, 18699..18776		

Seq. No.	10456	Seq. ID	OJ990520_34.9922.C2
Gene No.	22109	Strand	-
Start	27235	End	29660
Name	OJ990520_34.9922.C2.o5.gs	Method	GENSCAN
Start	27235	End	29660
GI	none	Score	.43
Exons	27235..27822, 28291..28580, 28924..29019, 29495..29660		

Seq. No.	10456	Seq. ID	OJ990520_34.9922.C2
Gene No.	22110	Strand	-
Start	35306	End	37755
Name	OJ990520_34.9922.C2.o6.np	Method	AAT/NAP
Start	35306	End	37755
GI	6721516	Score	469
Exons	35306..35338, 36824..37067, 37503..37755		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	10456	Seq. ID	OJ990520_34.9922.C2
Gene No.	22111	Strand	-
Start	47539	End	47772
Name	OJ990520_34.9922.C2.o8.gs	Method	GENSCAN
Start	47539	End	47772
GI	none	Score	.93
Exons	47539..47772		

Seq. No.	10456	Seq. ID	OJ990520_34.9922.C2
Gene No.	22112	Strand	-
Start	48018	End	54214
Name	OJ990520_34.9922.C2.o7.tm	Method	TBLASTX:Maize
Start	7436	End	53746
GI	none	Score	66
Exons	7436..7498, 7493..7651, 53459..53707, 53479..53742, 53696..53746		

Seq. No.	10456	Seq. ID	OJ990520_34.9922.C2
Gene No.	22112	Strand	-
Start	48018	End	54214
Name	OJ990520_34.9922.C2.o11.tm	Method	TBLASTX:Maize
Start	10570	End	10881
GI	none	Score	191
Exons	10570..10881		

Seq. No.	10456	Seq. ID	OJ990520_34.9922.C2
Gene No.	22112	Strand	-
Start	48018	End	54214
Name	OJ990520_34.9922.C2.o3.tw	Method	TBLASTX:Wheat
Start	11149	End	11497
GI	none	Score	78
Exons	11149..11178, 11203..11487, 11239..11457, 11309..11497		

Seq. No.	10456	Seq. ID	OJ990520_34.9922.C2
Gene No.	22112	Strand	-

Start	48018	End	54214
Name	OJ990520_34.9922.C2.o9.tm	Method	TBLASTX:Maize
Start	11149	End	11472
GI	none	Score	38
Exons	11149..11235, 11157..11222, 11242..11283, 11243..11284, 11290..11472, 11309..11455		

Seq. No.	10456	Seq. ID	OJ990520_34.9922.C2
Gene No.	22112	Strand	-
Start	48018	End	54214
Name	OJ990520_34.9922.C2.o6.tm	Method	TBLASTX:Maize
Start	11477	End	34431
GI	none	Score	67
Exons	11477..11647, 11500..11649, 11638..11931, 11639..11869, 11910..11924, 11989..12114, 11990..12115, 12139..12414, 33969..34058, 34151..34198, 34203..34262, 34327..34431		

Seq. No.	10456	Seq. ID	OJ990520_34.9922.C2
Gene No.	22112	Strand	-
Start	48018	End	54214
Name	OJ990520_34.9922.C2.o5.tw	Method	TBLASTX:Wheat
Start	12172	End	34225
GI	none	Score	172
Exons	12172..12249, 12265..12507, 33866..34051, 33873..34055, 34061..34201, 34067..34225		

Seq. No.	10456	Seq. ID	OJ990520_34.9922.C2
Gene No.	22112	Strand	-
Start	48018	End	54214
Name	OJ990520_34.9922.C2.o4.tw	Method	TBLASTX:Wheat
Start	13107	End	13522
GI	none	Score	127
Exons	13107..13178, 13199..13522, 13200..13511		

Seq. No.	10456	Seq. ID	OJ990520_34.9922.C2
Gene No.	22112	Strand	-
Start	48018	End	54214
Name	OJ990520_34.9922.C2.o4.tm	Method	TBLASTX:Maize
Start	15871	End	18830
GI	none	Score	202
Exons	15871..16008, 15874..16008, 15879..16010, 16107..16199, 16107..16196, 16112..16201, 16112..16198, 16274..16360, 16275..16343, 16276..16395, 16276..16362, 16858..16971, 16883..16972, 16923..16985, 17155..17187, 17272..17331, 17283..17453, 17299..17475, 17300..17458, 17338..17469, 18119..18184, 18121..18186, 18124..18216, 18269..18334, 18270..18335, 18271..18336, 18447..18572, 18453..18572, 18454..18573, 18457..18594, 18458..18595, 18695..18802, 18696..18830, 18699..18827		

Seq. No.	10456	Seq. ID	OJ990520_34.9922.C2
Gene No.	22112	Strand	-
Start	48018	End	54214
Name	OJ990520_34.9922.C2.o4.ts	Method	TBLASTX:Soybean
Start	15885	End	18827
GI	none	Score	76
Exons	15885..16010, 15886..16005, 16107..16196, 16276..16374,		

16280..16375, 16921..16971, 17341..17475, 17342..17473,
17573..17623, 18118..18186, 18270..18335, 18271..18336,
18277..18342, 18453..18572, 18454..18573, 18454..18585,
18696..18815, 18699..18827, 18700..18816

Seq. No.	10456	Seq. ID	OJ990520_34.9922.C2
Gene No.	22112	Strand	-
Start	48018	End	54214
Name	OJ990520_34.9922.C2.o9.ts	Method	TBLASTX:Soybean
Start	40234	End	40572
GI	none	Score	191
Exons	40234..40572		

Seq. No.	10456	Seq. ID	OJ990520_34.9922.C2
Gene No.	22112	Strand	-
Start	48018	End	54214
Name	OJ990520_34.9922.C2.o7.ts	Method	TBLASTX:Soybean
Start	40982	End	41346
GI	none	Score	126
Exons	40982..41203, 40993..41172, 41212..41346		

Seq. No.	10456	Seq. ID	OJ990520_34.9922.C2
Gene No.	22112	Strand	-
Start	48018	End	54214
Name	OJ990520_34.9922.C2.o2.tw	Method	TBLASTX:Wheat
Start	41144	End	41547
GI	none	Score	76
Exons	41144..41188, 41194..41547, 41202..41519, 41206..41547		

Seq. No.	10456	Seq. ID	OJ990520_34.9922.C2
Gene No.	22112	Strand	-
Start	48018	End	54214
Name	OJ990520_34.9922.C2.o8.tm	Method	TBLASTX:Maize
Start	41197	End	41415
GI	none	Score	291
Exons	41197..41415, 41197..41397, 41202..41414		

Seq. No.	10456	Seq. ID	OJ990520_34.9922.C2
Gene No.	22112	Strand	-
Start	48018	End	54214
Name	OJ990520_34.9922.C2.o3.tm	Method	TBLASTX:Maize
Start	41416	End	41877
GI	none	Score	538
Exons	41416..41877, 41416..41805, 41418..41876		

Seq. No.	10456	Seq. ID	OJ990520_34.9922.C2
Gene No.	22112	Strand	-
Start	48018	End	54214
Name	OJ990520_34.9922.C2.o9.tw	Method	TBLASTX:Wheat
Start	41548	End	41883
GI	none	Score	194
Exons	41548..41883, 41565..41825		

Seq. No.	10456	Seq. ID	OJ990520_34.9922.C2
Gene No.	22112	Strand	-
Start	48018	End	54214
Name	OJ990520_34.9922.C2.o5.ts	Method	TBLASTX:Soybean

Start	41563	End	42033
GI	none	Score	220
Exons	41563..41844, 41601..41849, 41845..42033, 41889..42020		

Seq. No.	10456	Seq. ID	OJ990520_34.9922.C2
Gene No.	22112	Strand	-
Start	48018	End	54214
Name	OJ990520_34.9922.C2.o3.ts	Method	TBLASTX:Soybean
Start	42184	End	42594
GI	none	Score	145
Exons	42184..42321, 42186..42317, 42342..42509, 42343..42594		

Seq. No.	10456	Seq. ID	OJ990520_34.9922.C2
Gene No.	22112	Strand	-
Start	48018	End	54214
Name	OJ990520_34.9922.C2.o10.tw	Method	TBLASTX:Wheat
Start	42229	End	42618
GI	none	Score	81
Exons	42229..42318, 42358..42618		

Seq. No.	10456	Seq. ID	OJ990520_34.9922.C2
Gene No.	22112	Strand	-
Start	48018	End	54214
Name	OJ990520_34.9922.C2.o8.ts	Method	TBLASTX:Soybean
Start	45912	End	46206
GI	none	Score	193
Exons	45912..46025, 45913..46206		

Seq. No.	10456	Seq. ID	OJ990520_34.9922.C2
Gene No.	22112	Strand	-
Start	48018	End	54214
Name	OJ990520_34.9922.C2.o5.tm	Method	TBLASTX:Maize
Start	46108	End	53458
GI	none	Score	73
Exons	46108..46242, 52951..53118, 52953..53120, 53131..53247, 53135..53287, 53135..53287, 53296..53397, 53300..53458, 53348..53386		

Seq. No.	10456	Seq. ID	OJ990520_34.9922.C2
Gene No.	22112	Strand	-
Start	48018	End	54214
Name	OJ990520_34.9922.C2.o6.tw	Method	TBLASTX:Wheat
Start	46366	End	46773
GI	none	Score	219
Exons	46366..46773		

Seq. No.	10456	Seq. ID	OJ990520_34.9922.C2
Gene No.	22112	Strand	-
Start	48018	End	54214
Name	OJ990520_34.9922.C2.o6.ts	Method	TBLASTX:Soybean
Start	46549	End	46791
GI	none	Score	218
Exons	46549..46791, 46551..46688, 46759..46788		

Seq. No.	10456	Seq. ID	OJ990520_34.9922.C2
Gene No.	22112	Strand	-
Start	48018	End	54214

Name	OJ990520_34.9922.C2.o9.gs	Method	GENSCAN
Start	48018	End	51964
GI	none	Score	.73
Exons	48018..48521, 48542..48703, 48962..49027, 49097..49519, 49597..49730, 49735..50174, 50223..50920, 51884..51964		

Seq. No.	10456	Seq. ID	OJ990520_34.9922.C2
Gene No.	22112	Strand	-
Start	48018	End	54214
Name	OJ990520_34.9922.C2.o8.tw	Method	TBLASTX:Wheat
Start	53020	End	53362
GI	none	Score	100
Exons	53020..53097, 53130..53258, 53135..53251, 53273..53362, 53299..53352		

Seq. No.	10456	Seq. ID	OJ990520_34.9922.C2
Gene No.	22112	Strand	-
Start	48018	End	54214
Name	OJ990520_34.9922.C2.o1.ts	Method	TBLASTX:Soybean
Start	53474	End	54087
GI	5509260	Score	710
Exons	53474..54082, 53567..54079, 53599..54087, 54016..54087		
GI Descrip.	-		

Seq. No.	10456	Seq. ID	OJ990520_34.9922.C2
Gene No.	22112	Strand	-
Start	48018	End	54214
Name	OJ990520_34.9922.C2.o1.tw	Method	TBLASTX:Wheat
Start	53603	End	54079
GI	none	Score	84
Exons	53603..53692, 53699..53725, 53716..54069, 53726..54073, 53732..53860, 53733..53936, 53734..54072, 53903..54079		

Seq. No.	10456	Seq. ID	OJ990520_34.9922.C2
Gene No.	22112	Strand	-
Start	48018	End	54214
Name	OJ990520_34.9922.C2.o2.tc	Method	TBLASTX:Cress
Start	53695	End	53959
GI	none	Score	196
Exons	53695..53841, 53696..53959		

Seq. No.	10456	Seq. ID	OJ990520_34.9922.C2
Gene No.	22112	Strand	-
Start	48018	End	54214
Name	OJ990520_34.9922.C2.o2.tm	Method	TBLASTX:Maize
Start	53747	End	54214
GI	none	Score	566
Exons	53747..54214, 53747..53866, 53749..54207		

Seq. No.	10456	Seq. ID	OJ990520_34.9922.C2
Gene No.	22113	Strand	
Start	54256	End	55144
Name	OJ990520_34.9922.C2.o10.tm	Method	TBLASTX:Maize
Start	54256	End	54448
GI	none	Score	241
Exons	54256..54447, 54257..54448		

Seq. No.	10456	Seq. ID	OJ990520_34.9922.C2
Gene No.	22113	Strand	
Start	54256	End	55144
Name	OJ990520_34.9922.C2.o7.tw	Method	TBLASTX:Wheat
Start	54257	End	54673
GI	none	Score	92
Exons	54257..54424, 54437..54673		

Seq. No.	10456	Seq. ID	OJ990520_34.9922.C2
Gene No.	22113	Strand	
Start	54256	End	55144
Name	OJ990520_34.9922.C2.o1.tm	Method	TBLASTX:Maize
Start	54449	End	55136
GI	none	Score	897
Exons	54449..55111, 54451..55125, 55012..55116, 55014..55136		

Seq. No.	10456	Seq. ID	OJ990520_34.9922.C2
Gene No.	22113	Strand	
Start	54256	End	55144
Name	OJ990520_34.9922.C2.o2.ts	Method	TBLASTX:Soybean
Start	54458	End	55144
GI	none	Score	301
Exons	54458..54841, 54463..54834, 54470..54841, 54875..55144, 54881..55024, 54904..55050		

Seq. No.	10456	Seq. ID	OJ990520_34.9922.C2
Gene No.	22113	Strand	
Start	54256	End	55144
Name	OJ990520_34.9922.C2.o1.tc	Method	TBLASTX:Cress
Start	54638	End	55096
GI	none	Score	60
Exons	54638..54727, 54731..54865, 54851..55096		

Seq. No.	10456	Seq. ID	OJ990520_34.9922.C2
Gene No.	22113	Strand	
Start	54256	End	55144
Name	OJ990520_34.9922.C2.o11.tw	Method	TBLASTX:Wheat
Start	54683	End	55063
GI	none	Score	113
Exons	54683..54856, 54751..54852, 54875..55063, 54931..55050		

Seq. No.	10457	Seq. ID	OJ990520_34.9922.C3
Gene No.	22114	Strand	+
Start	136	End	2032
Name	OJ990520_34.9922.C3.o1.np	Method	AAT/NAP
Start	136	End	2029
GI	6907087	Score	1233
Exons	136..519, 728..1387, 1928..2029		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	10457	Seq. ID	OJ990520_34.9922.C3
Gene No.	22114	Strand	+
Start	136	End	2032
Name	OJ990520_34.9922.C3.o1.gs	Method	GENSCAN
Start	557	End	2032

GI	none	Score	.78
Exons	557..717, 760..1197, 1221..1387, 1928..2032		

Seq. No.	10457	Seq. ID	OJ990520_34.9922.C3
Gene No.	22115	Strand	+
Start	2598	End	3878
Name	OJ990520_34.9922.C3.o1.gp	Method	AAT/GAP
Start	2493	End	2876
GI	uC-osflcyp033a04b1	Score	681
Exons	2493..2876		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	10457	Seq. ID	OJ990520_34.9922.C3
Gene No.	22115	Strand	+
Start	2598	End	3878
Name	OJ990520_34.9922.C3.o2.gs	Method	GENSCAN
Start	2598	End	3878
GI	none	Score	.63
Exons	2598..2748, 3565..3878		

Seq. No.	10457	Seq. ID	OJ990520_34.9922.C3
Gene No.	22116	Strand	+
Start	7600	End	8955
Name	OJ990520_34.9922.C3.o4.np	Method	AAT/NAP
Start	6542	End	7638
GI	2213608	Score	491
Exons	6542..7638		
GI Descrip.	(AC000103) F21J9.2 [Arabidopsis thaliana]		

Seq. No.	10457	Seq. ID	OJ990520_34.9922.C3
Gene No.	22116	Strand	+
Start	7600	End	8955
Name	OJ990520_34.9922.C3.o3.gs	Method	GENSCAN
Start	7600	End	8955
GI	none	Score	.89
Exons	7600..7731, 8869..8955		

Seq. No.	10457	Seq. ID	OJ990520_34.9922.C3
Gene No.	22117	Strand	+
Start	21408	End	22557
Name	OJ990520_34.9922.C3.o6.np	Method	AAT/NAP
Start	21408	End	22557
GI	6630699	Score	110
Exons	21408..21681, 22473..22557		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	10457	Seq. ID	OJ990520_34.9922.C3
Gene No.	22118	Strand	-
Start	2422	End	5738
Name	OJ990520_34.9922.C3.o2.np	Method	AAT/NAP
Start	2422	End	4375
GI	4680186	Score	220
Exons	2422..2626, 4331..4375		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	10457	Seq. ID	OJ990520_34.9922.C3
Gene No.	22118	Strand	-
Start	2422	End	5738
Name	OJ990520_34.9922.C3.o3.np	Method	AAT/NAP
Start	3785	End	5738
GI	6721516	Score	434
Exons	3785..3987, 4787..5097, 5488..5738		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	10457	Seq. ID	OJ990520_34.9922.C3
Gene No.	22119	Strand	-
Start	10485	End	21582
Name	OJ990520_34.9922.C3.o4.gs	Method	GENSCAN
Start	10485	End	21480
GI	none	Score	.82
Exons	10485..10595, 10647..10711, 11509..11623, 12405..12452, 12580..12669, 12880..12954, 13062..13214, 13756..13840, 16112..16182, 16304..16354, 17098..17514, 17590..17721, 17840..17953, 19174..19240, 19325..19458, 19547..19762, 20688..21132, 21188..21480		

Seq. No.	10457	Seq. ID	OJ990520_34.9922.C3
Gene No.	22119	Strand	-
Start	10485	End	21582
Name	OJ990520_34.9922.C3.o5.np	Method	AAT/NAP
Start	10488	End	21582
GI	6958204	Score	3711
Exons	10488..10595, 11303..11406, 11509..11623, 12405..12452, 12580..12669, 12880..12954, 13062..13214, 13756..13840, 16112..16182, 16304..16354, 17098..17514, 17590..17721, 17840..17953, 18653..18770, 19017..19075, 19174..19240, 19328..19458, 19547..19762, 20688..21165, 21220..21582		
GI Descrip.	(AF091838) single-subunit RNA polymerase G [Triticum aestivum]		

Seq. No.	10457	Seq. ID	OJ990520_34.9922.C3
Gene No.	22120	Strand	-
Start	22253	End	22427
Name	OJ990520_34.9922.C3.o4.ts	Method	TBLASTX:Soybean
Start	6646	End	7064
GI	none	Score	115
Exons	6646..6849, 6864..7064, 6872..7063		

Seq. No.	10457	Seq. ID	OJ990520_34.9922.C3
Gene No.	22120	Strand	-
Start	22253	End	22427
Name	OJ990520_34.9922.C3.o2.tm	Method	TBLASTX:Maize
Start	6715	End	7091
GI	none	Score	123
Exons	6715..6852, 6750..6857, 6870..7091, 6872..7081		

Seq. No.	10457	Seq. ID	OJ990520_34.9922.C3
Gene No.	22120	Strand	-
Start	22253	End	22427
Name	OJ990520_34.9922.C3.o1.tw	Method	TBLASTX:Wheat
Start	6730	End	7115
GI	none	Score	127

Exons	6730..6858, 6735..6857, 6852..6983, 6855..7052, 6857..7054, 7053..7115, 7056..7106		
Seq. No.	10457	Seq. ID	OJ990520_34.9922.C3
Gene No.	22120	Strand	-
Start	22253	End	22427
Name	OJ990520_34.9922.C3.o2.tw	Method	TBLASTX:Wheat
Start	7510	End	7827
GI	none	Score	236
Exons	7510..7827, 7516..7659		
Seq. No.	10457	Seq. ID	OJ990520_34.9922.C3
Gene No.	22120	Strand	-
Start	22253	End	22427
Name	OJ990520_34.9922.C3.o1.tc	Method	TBLASTX:Cress
Start	10423	End	21084
GI	none	Score	68
Exons	10423..10596, 10485..10604, 10488..10598, 10489..10605, 11289..11411, 11298..11408, 11300..11410, 11507..11629, 11508..11624, 11509..11625, 11510..11629, 12396..12452, 12577..12672, 12581..12667, 12877..12966, 12877..12954, 13059..13217, 13066..13215, 16111..16182, 16112..16183, 16301..16375, 16305..16355, 16306..16356, 17098..17517, 17108..17515, 17137..17517, 17587..17721, 17593..17712, 17837..17956, 18653..18769, 18654..18770, 18990..19076, 19016..19075, 19169..19246, 19174..19224, 19330..19458, 19331..19459, 19544..19699, 19545..19655, 20686..20751, 20751..21077, 20758..20817, 20869..21084		
Seq. No.	10457	Seq. ID	OJ990520_34.9922.C3
Gene No.	22120	Strand	-
Start	22253	End	22427
Name	OJ990520_34.9922.C3.o1.tm	Method	TBLASTX:Maize
Start	10450	End	17227
GI	none	Score	156
Exons	10450..10608, 10474..10605, 10485..10616, 10485..10616, 11289..11411, 11300..11410, 11507..11629, 11508..11624, 12399..12452, 12403..12453, 12577..12672, 12581..12670, 12594..12692, 12874..12966, 12877..12954, 12878..12964, 13059..13217, 13060..13215, 16100..16183, 16111..16185, 16111..16182, 16112..16183, 16301..16357, 16305..16355, 16306..16356, 17099..17221, 17102..17227, 17104..17226		
Seq. No.	10457	Seq. ID	OJ990520_34.9922.C3
Gene No.	22120	Strand	-
Start	22253	End	22427
Name	OJ990520_34.9922.C3.o3.ts	Method	TBLASTX:Soybean
Start	10486	End	12452
GI	none	Score	101
Exons	10486..10593, 10488..10616, 11289..11411, 11300..11410, 11507..11629, 11508..11630, 12399..12452		
Seq. No.	10457	Seq. ID	OJ990520_34.9922.C3
Gene No.	22120	Strand	-
Start	22253	End	22427
Name	OJ990520_34.9922.C3.o1.ts	Method	TBLASTX:Soybean
Start	17220	End	17497

GI	none	Score	116
Exons	17220..17495, 17220..17495, 17221..17496, 17222..17497		
Seq. No.	10457	Seq. ID	OJ990520_34.9922.C3
Gene No.	22120	Strand	-
Start	22253	End	22427
Name	OJ990520_34.9922.C3.o4.tm	Method	TBLASTX:Maize
Start	17601	End	17868
GI	none	Score	103
Exons	17601..17717, 17602..17709, 17602..17721, 17837..17866, 17838..17867, 17839..17868		
Seq. No.	10457	Seq. ID	OJ990520_34.9922.C3
Gene No.	22120	Strand	-
Start	22253	End	22427
Name	OJ990520_34.9922.C3.o3.tm	Method	TBLASTX:Maize
Start	18673	End	19408
GI	none	Score	149
Exons	18673..18768, 18674..18769, 18675..18770, 18995..19075, 19021..19080, 19022..19081, 19173..19253, 19174..19224, 19322..19408, 19324..19407		
Seq. No.	10457	Seq. ID	OJ990520_34.9922.C3
Gene No.	22120	Strand	-
Start	22253	End	22427
Name	OJ990520_34.9922.C3.o2.ts	Method	TBLASTX:Soybean
Start	20716	End	21069
GI	none	Score	70
Exons	20716..20748, 20736..20816, 20737..20817, 20823..21068, 20835..20978, 20857..21069		
Seq. No.	10457	Seq. ID	OJ990520_34.9922.C3
Gene No.	22120	Strand	-
Start	22253	End	22427
Name	OJ990520_34.9922.C3.o2.gp	Method	AAT/GAP
Start	22253	End	22427
GI	35458_1.R1084	Score	128
Exons	22253..22283, 22328..22427		
GI Descrip.	'3868853/dbj|BAA34247| 1.0e-21 (AB013853) GPI-anchored protein [Vigna radiata]'		
Seq. No.	10458	Seq. ID	OJ990520_34.9922.C4
Gene No.	22121	Strand	+
Start	739	End	5022
Name	OJ990520_34.9922.C4.o1.gs	Method	GENSCAN
Start	739	End	5022
GI	none	Score	.67
Exons	739..855, 1154..1265, 1358..1448, 1574..1748, 4936..5022		
Seq. No.	10458	Seq. ID	OJ990520_34.9922.C4
Gene No.	22121	Strand	+
Start	739	End	5022
Name	OJ990520_34.9922.C4.o2.np	Method	AAT/NAP
Start	4246	End	4855
GI	3243136	Score	141
Exons	4246..4488, 4758..4855		
GI Descrip.	(AF047702) fragile histidine triad protein [Mus musculus]		

Seq. No.	10458	Seq. ID	OJ990520_34.9922.C4
Gene No.	22122	Strand	-
Start	607	End	5743
Name	OJ990520_34.9922.C4.o1.np	Method	AAT/NAP
Start	607	End	5743
GI	5295955	Score	420
Exons	607..1181, 1221..1313, 1407..1760, 2442..2555, 3102..3170, 5614..5743		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	10458	Seq. ID	OJ990520_34.9922.C4
Gene No.	22122	Strand	-
Start	607	End	5743
Name	OJ990520_34.9922.C4.o1.tm	Method	TBLASTX:Maize
Start	4343	End	5030
GI	none	Score	90
Exons	4343..4402, 4344..4403, 4345..4404, 4345..4404, 4405..4479, 4407..4484, 4407..4484, 4408..4488, 4747..4812, 4749..4820, 4749..4811, 4757..4840, 4807..4854, 4808..4858, 4815..4862, 4815..4862, 4935..5009, 4936..5010, 4936..5007, 5007..5030		

Seq. No.	10459	Seq. ID	OJ990520_34.9922.C6
Gene No.	22123	Strand	+
Start	1	End	839
Name	OJ990520_34.9922.C6.o1.np	Method	AAT/NAP
Start	1	End	839
GI	6498441	Score	209
Exons	1..48, 446..839		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	10459	Seq. ID	OJ990520_34.9922.C6
Gene No.	22123	Strand	+
Start	1	End	839
Name	OJ990520_34.9922.C6.o1.gs	Method	GENSCAN
Start	215	End	811
GI	none	Score	.5
Exons	215..430, 527..811		

Seq. No.	10459	Seq. ID	OJ990520_34.9922.C6
Gene No.	22123	Strand	+
Start	1	End	839
Name	OJ990520_34.9922.C6.o1.tw	Method	TBLASTX:Wheat
Start	638	End	839
GI	none	Score	315
Exons	638..838, 654..839, 655..837		

Seq. No.	10459	Seq. ID	OJ990520_34.9922.C6
Gene No.	22123	Strand	+
Start	1	End	839
Name	OJ990520_34.9922.C6.o1.tm	Method	TBLASTX:Maize
Start	698	End	838
GI	none	Score	202
Exons	698..838, 700..837		

Seq. No.	10460	Seq. ID	OJ990520_34.9922.C7
Gene No.	22124	Strand	+
Start	1	End	932
Name	OJ990520_34.9922.C7.o1.np	Method	AAT/NAP
Start	1	End	932
GI	6815107	Score	129
Exons	1..60, 741..932		
GI Descrip.	(AP001081) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10;hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	10460	Seq. ID	OJ990520_34.9922.C7
Gene No.	22124	Strand	+
Start	1	End	932
Name	OJ990520_34.9922.C7.o1.gs	Method	GENSCAN
Start	99	End	590
GI	none	Score	.4
Exons	99..173, 333..590		

Seq. No.	10461	Seq. ID	OJ990520_34.9922.C8
Gene No.	22125	Strand	+
Start	1	End	2434
Name	OJ990520_34.9922.C8.o2.np	Method	AAT/NAP
Start	1	End	2434
GI	6498441	Score	144
Exons	1..67, 1175..1286, 1326..1465, 1754..1927, 2081..2434		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	10461	Seq. ID	OJ990520_34.9922.C8
Gene No.	22125	Strand	+
Start	1	End	2434
Name	OJ990520_34.9922.C8.o1.np	Method	AAT/NAP
Start	116	End	624
GI	6815107	Score	270
Exons	116..425, 466..624		
GI Descrip.	(AP001081) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10;hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	10461	Seq. ID	OJ990520_34.9922.C8
Gene No.	22125	Strand	+
Start	1	End	2434
Name	OJ990520_34.9922.C8.o1.gs	Method	GENSCAN
Start	393	End	1588
GI	none	Score	.72
Exons	393..465, 1368..1588		

Seq. No.	10461	Seq. ID	OJ990520_34.9922.C8
Gene No.	22126	Strand	-
Start	2508	End	4588
Name	OJ990520_34.9922.C8.o2.ts	Method	TBLASTX:Soybean
Start	119	End	656
GI	none	Score	220
Exons	119..331, 120..425, 546..656		

Seq. No.	10461	Seq. ID	OJ990520_34.9922.C8

Gene No.	22126	Strand	-
Start	2508	End	4588
Name	OJ990520_34.9922.C8.o1.tm	Method	TBLASTX:Maize
Start	143	End	419
GI	none	Score	213
Exons	143..316, 144..419		

Seq. No.	10461	Seq. ID	OJ990520_34.9922.C8
Gene No.	22126	Strand	-
Start	2508	End	4588
Name	OJ990520_34.9922.C8.o1.ts	Method	TBLASTX:Soybean
Start	1885	End	2302
GI	none	Score	128
Exons	1885..2010, 1886..1996, 1886..2023, 2060..2302, 2071..2145, 2200..2298		

Seq. No.	10461	Seq. ID	OJ990520_34.9922.C8
Gene No.	22126	Strand	-
Start	2508	End	4588
Name	OJ990520_34.9922.C8.o1.tw	Method	TBLASTX:Wheat
Start	1931	End	2365
GI	none	Score	60
Exons	1931..1996, 2074..2148, 2075..2365, 2200..2280		

Seq. No.	10461	Seq. ID	OJ990520_34.9922.C8
Gene No.	22126	Strand	-
Start	2508	End	4588
Name	OJ990520_34.9922.C8.o2.gs	Method	GENSCAN
Start	2508	End	4588
GI	none	Score	.63
Exons	2508..2632, 3044..3244, 3575..3665, 4236..4379, 4496..4588		

Seq. No.	10461	Seq. ID	OJ990520_34.9922.C8
Gene No.	22126	Strand	-
Start	2508	End	4588
Name	OJ990520_34.9922.C8.o3.np	Method	AAT/NAP
Start	2511	End	4386
GI	6498436	Score	607
Exons	2511..2632, 2897..3496, 3545..3665, 4288..4386		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	10462	Seq. ID	OJ990520_34.9922.C9
Gene No.	22127	Strand	+
Start	1667	End	4317
Name	OJ990520_34.9922.C9.o2.np	Method	AAT/NAP
Start	1405	End	3180
GI	629693	Score	523
Exons	1405..2520, 3136..3180		
GI Descrip.	probable integrase - common tobacco (fragment) gi|530742|emb|CAA56791| (X80830) integrase [Nicotiana tabacum]		

Seq. No.	10462	Seq. ID	OJ990520_34.9922.C9
Gene No.	22127	Strand	+
Start	1667	End	4317
Name	OJ990520_34.9922.C9.o2.gs	Method	GENSCAN
Start	1667	End	4317
GI	none	Score	.58

Exons 1667..2381, 4262..4317

Seq. No.	10462	Seq. ID	OJ990520_34.9922.C9
Gene No.	22128	Strand	+
Start	9697	End	14011
Name	OJ990520_34.9922.C9.o4.gs	Method	GENSCAN
Start	9697	End	12893
GI	none	Score	.75
Exons	9697..10205, 11108..11440, 11477..12893		

Seq. No.	10462	Seq. ID	OJ990520_34.9922.C9
Gene No.	22128	Strand	+
Start	9697	End	14011
Name	OJ990520_34.9922.C9.o4.np	Method	AAT/NAP
Start	11032	End	12797
GI	3645898	Score	602
Exons	11032..11993, 12024..12497, 12583..12797		
GI Descrip.	(U68408) in-frame stop codon; possibly a post-transposition mutation [Zea mays]		

Seq. No.	10462	Seq. ID	OJ990520_34.9922.C9
Gene No.	22128	Strand	+
Start	9697	End	14011
Name	OJ990520_34.9922.C9.o6.np	Method	AAT/NAP
Start	12062	End	14011
GI	4680186	Score	239
Exons	12062..12114, 13806..14011		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	10462	Seq. ID	OJ990520_34.9922.C9
Gene No.	22129	Strand	-
Start	262	End	949
Name	OJ990520_34.9922.C9.o1.np	Method	AAT/NAP
Start	262	End	949
GI	6498436	Score	350
Exons	262..383, 648..949		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	10462	Seq. ID	OJ990520_34.9922.C9
Gene No.	22130	Strand	-
Start	6922	End	8949
Name	OJ990520_34.9922.C9.o3.gs	Method	GENSCAN
Start	6922	End	8949
GI	none	Score	.84
Exons	6922..7735, 8513..8949		

Seq. No.	10462	Seq. ID	OJ990520_34.9922.C9
Gene No.	22131	Strand	-
Start	13557	End	13939
Name	OJ990520_34.9922.C9.o3.ts	Method	TBLASTX:Soybean
Start	1625	End	1936
GI	none	Score	191
Exons	1625..1936, 1642..1836		

Seq. No.	10462	Seq. ID	OJ990520_34.9922.C9
Gene No.	22131	Strand	-
Start	13557	End	13939

Name	OJ990520_34.9922.C9.o3.tw	Method	TBLASTX:Wheat
Start	1696	End	2107
GI	none	Score	179
Exons	1696..1872, 1697..2107		

Seq. No.	10462	Seq. ID	OJ990520_34.9922.C9
Gene No.	22131	Strand	-
Start	13557	End	13939
Name	OJ990520_34.9922.C9.o2.ts	Method	TBLASTX:Soybean
Start	2279	End	2523
GI	none	Score	191
Exons	2279..2446, 2293..2409, 2449..2523		

Seq. No.	10462	Seq. ID	OJ990520_34.9922.C9
Gene No.	22131	Strand	-
Start	13557	End	13939
Name	OJ990520_34.9922.C9.o1.ts	Method	TBLASTX:Soybean
Start	4424	End	4657
GI	none	Score	86
Exons	4424..4657, 4427..4633		

Seq. No.	10462	Seq. ID	OJ990520_34.9922.C9
Gene No.	22131	Strand	-
Start	13557	End	13939
Name	OJ990520_34.9922.C9.o1.tw	Method	TBLASTX:Wheat
Start	4445	End	4765
GI	none	Score	151
Exons	4445..4720, 4445..4765		

Seq. No.	10462	Seq. ID	OJ990520_34.9922.C9
Gene No.	22131	Strand	-
Start	13557	End	13939
Name	OJ990520_34.9922.C9.o2.tw	Method	TBLASTX:Wheat
Start	11091	End	11519
GI	none	Score	259
Exons	11091..11519, 11124..11219, 11126..11224		

Seq. No.	10462	Seq. ID	OJ990520_34.9922.C9
Gene No.	22131	Strand	-
Start	13557	End	13939
Name	OJ990520_34.9922.C9.o4.ts	Method	TBLASTX:Soybean
Start	11121	End	11567
GI	none	Score	73
Exons	11121..11228, 11232..11567		

Seq. No.	10462	Seq. ID	OJ990520_34.9922.C9
Gene No.	22131	Strand	-
Start	13557	End	13939
Name	OJ990520_34.9922.C9.o1.tm	Method	TBLASTX:Maize
Start	11277	End	11678
GI	none	Score	213
Exons	11277..11678, 11418..11528		

Seq. No.	10462	Seq. ID	OJ990520_34.9922.C9
Gene No.	22131	Strand	-
Start	13557	End	13939
Name	OJ990520_34.9922.C9.o3.gp	Method	AAT/GAP

Start	13557	End	13939
GI	uC-osflcyp033a04b1	Score	664
Exons	13557..13939		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	10463	Seq. ID	OJ990520_34.9922.C10
Gene No.	22132	Strand	+
Start	3748	End	13060
Name	OJ990520_34.9922.C10.o2.gs	Method	GENSCAN
Start	3748	End	13060
GI	none	Score	.53
Exons	3748..3798, 4006..4143, 6575..6754, 9044..9085, 11221..11349, 12526..12948, 13001..13060		

Seq. No.	10463	Seq. ID	OJ990520_34.9922.C10
Gene No.	22132	Strand	+
Start	3748	End	13060
Name	OJ990520_34.9922.C10.o1.gp	Method	AAT/GAP
Start	8718	End	9764
GI	2428514	Score	787
Exons	8718..9085, 9717..9764		

Seq. No.	10463	Seq. ID	OJ990520_34.9922.C10
Gene No.	22132	Strand	+
Start	3748	End	13060
Name	OJ990520_34.9922.C10.o2.np	Method	AAT/NAP
Start	9960	End	13023
GI	5257262	Score	275
Exons	9960..9994, 11069..11366, 12530..12799, 12941..13023		
GI Descrip.	(AP000364) hypothetical protein [Oryza sativa]		

Seq. No.	10463	Seq. ID	OJ990520_34.9922.C10
Gene No.	22133	Strand	+
Start	17300	End	17788
Name	OJ990520_34.9922.C10.o3.gp	Method	AAT/GAP
Start	17300	End	17788
GI	none	Score	966
Exons	17300..17788		

Seq. No.	10463	Seq. ID	OJ990520_34.9922.C10
Gene No.	22134	Strand	+
Start	21919	End	23349
Name	OJ990520_34.9922.C10.o4.gs	Method	GENSCAN
Start	21919	End	23349
GI	none	Score	.76
Exons	21919..22404, 22640..23009, 23011..23083, 23223..23349		

Seq. No.	10463	Seq. ID	OJ990520_34.9922.C10
Gene No.	22135	Strand	-
Start	48	End	3062
Name	OJ990520_34.9922.C10.o1.gs	Method	GENSCAN
Start	48	End	3062
GI	none	Score	.52
Exons	48..291, 598..810, 949..1403, 1709..1993, 2597..3062		

Seq. No.	10463	Seq. ID	OJ990520_34.9922.C10

Gene No.	22136	Strand	-
Start	15840	End	15910
Name	OJ990520_34.9922.C10.o2.gp	Method	AAT/GAP
Start	15840	End	15910
GI	uC-osflcyp158c04a1	Score	84
Exons	15840..15910		
GI Descrip.	'4581164/gb|AAD24647.1|AC006220_3 2.0e-17 (AC006220) putative polyprotein [Arabidopsis thaliana]'		

Seq. No.	10463	Seq. ID	OJ990520_34.9922.C10
Gene No.	22137	Strand	-
Start	24361	End	26036
Name	OJ990520_34.9922.C10.o5.gs	Method	GENSCAN
Start	24361	End	26036
GI	none	Score	.65
Exons	24361..24651, 25175..25225, 25262..25440, 25949..26036		

Seq. No.	10463	Seq. ID	OJ990520_34.9922.C10
Gene No.	22138	Strand	-
Start	26955	End	31045
Name	OJ990520_34.9922.C10.o6.gs	Method	GENSCAN
Start	26955	End	31045
GI	none	Score	.58
Exons	26955..27577, 27826..27920, 27981..28084, 28096..28303, 28334..28448, 28659..28877, 29025..29078, 29179..29622, 30001..30395, 30469..30569, 30584..31045		

Seq. No.	10463	Seq. ID	OJ990520_34.9922.C10
Gene No.	22139	Strand	-
Start	31348	End	33972
Name	OJ990520_34.9922.C10.o1.tm	Method	TBLASTX:Maize
Start	11104	End	11367
GI	none	Score	263
Exons	11104..11367, 11105..11350		

Seq. No.	10463	Seq. ID	OJ990520_34.9922.C10
Gene No.	22139	Strand	-
Start	31348	End	33972
Name	OJ990520_34.9922.C10.o1.tw	Method	TBLASTX:Wheat
Start	11263	End	12815
GI	none	Score	111
Exons	11263..11367, 11263..11403, 12525..12797, 12526..12810, 12546..12632, 12690..12815		

Seq. No.	10463	Seq. ID	OJ990520_34.9922.C10
Gene No.	22139	Strand	-
Start	31348	End	33972
Name	OJ990520_34.9922.C10.o2.tm	Method	TBLASTX:Maize
Start	12613	End	12912
GI	none	Score	50
Exons	12613..12651, 12655..12810, 12690..12824, 12804..12911, 12826..12912		

Seq. No.	10463	Seq. ID	OJ990520_34.9922.C10
Gene No.	22139	Strand	-
Start	31348	End	33972
Name	OJ990520_34.9922.C10.o7.gs	Method	GENSCAN

Start	31348	End	33972
GI	none	Score	.72
Exons	31348..31569, 32232..32398, 33206..33304, 33906..33972		

Seq. No.	10464	Seq. ID	OJ990520_30.9922.C1
Gene No.	22140	Strand	-
Start	1	End	639
Name	OJ990520_30.9922.C1.o1.np	Method	AAT/NAP
Start	1	End	639
GI	2498930	Score	736
Exons	1..412, 580..639		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	10464	Seq. ID	OJ990520_30.9922.C1
Gene No.	22140	Strand	-
Start	1	End	639
Name	OJ990520_30.9922.C1.o1.gs	Method	GENSCAN
Start	18	End	639
GI	none	Score	1
Exons	18..412, 580..639		

Seq. No.	10465	Seq. ID	OJ990520_30.9922.C2
Gene No.	22141	Strand	-
Start	582	End	1841
Name	OJ990520_30.9922.C2.o1.np	Method	AAT/NAP
Start	582	End	1841
GI	5042454	Score	181
Exons	582..815, 1803..1841		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	10466	Seq. ID	OJ990520_30.9922.C3
Gene No.	22142	Strand	+
Start	1	End	5138
Name	OJ990520_30.9922.C3.o1.np	Method	AAT/NAP
Start	1	End	5033
GI	6102610	Score	94
Exons	1..24, 1056..1359, 4655..4809, 4896..5033		
GI Descrip.	(AF187317) CAF protein [Arabidopsis thaliana]		

Seq. No.	10466	Seq. ID	OJ990520_30.9922.C3
Gene No.	22142	Strand	+
Start	1	End	5138
Name	OJ990520_30.9922.C3.o1.gs	Method	GENSCAN
Start	966	End	5138
GI	none	Score	.81
Exons	966..1352, 1717..1908, 2397..2483, 4669..4809, 4896..5138		

Seq. No.	10466	Seq. ID	OJ990520_30.9922.C3
Gene No.	22142	Strand	+
Start	1	End	5138
Name	OJ990520_30.9922.C3.o1.gp	Method	AAT/GAP
Start	2770	End	3307
GI	5867_1.R1084	Score	126
Exons	2770..2878, 3285..3307		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN		

CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'

Seq. No.	10467	Seq. ID	OJ990520_30.9922.C4
Gene No.	22143	Strand	+
Start	9959	End	15797
Name	OJ990520_30.9922.C4.o2.np	Method	AAT/NAP
Start	9959	End	15797
GI	6498441	Score	6880
Exons	9959..11022, 11353..11816, 11880..12253, 12437..12571, 12746..13086, 13471..13853, 14025..15422, 15516..15797		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	10467	Seq. ID	OJ990520_30.9922.C4
Gene No.	22144	Strand	-
Start	202	End	7056
Name	OJ990520_30.9922.C4.o1.gs	Method	GENSCAN
Start	202	End	6951
GI	none	Score	.96
Exons	202..4722, 4952..4980, 5019..5784, 6886..6951		

Seq. No.	10467	Seq. ID	OJ990520_30.9922.C4
Gene No.	22144	Strand	-
Start	202	End	7056
Name	OJ990520_30.9922.C4.o1.np	Method	AAT/NAP
Start	205	End	4725
GI	4680179	Score	5415
Exons	205..3606, 3640..4725		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	10467	Seq. ID	OJ990520_30.9922.C4
Gene No.	22144	Strand	-
Start	202	End	7056
Name	OJ990520_30.9922.C4.o1.gp	Method	AAT/GAP
Start	6672	End	7056
GI	uC-osflcyp033a04b1	Score	670
Exons	6672..7056		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	10467	Seq. ID	OJ990520_30.9922.C4
Gene No.	22145	Strand	-
Start	16428	End	21573
Name	OJ990520_30.9922.C4.o3.gs	Method	GENSCAN
Start	16428	End	19771
GI	none	Score	.97
Exons	16428..18414, 18594..19771		

Seq. No.	10467	Seq. ID	OJ990520_30.9922.C4
Gene No.	22145	Strand	-
Start	16428	End	21573
Name	OJ990520_30.9922.C4.o3.np	Method	AAT/NAP

Start	16431	End	19771
GI	5803259	Score	5063
Exons	16431..18100, 18185..18414, 18510..19771		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	10467	Seq. ID	OJ990520_30.9922.C4
Gene No.	22145	Strand	-
Start	16428	End	21573
Name	OJ990520_30.9922.C4.o4.np	Method	AAT/NAP
Start	19088	End	21557
GI	5922623	Score	209
Exons	19088..19113, 20700..20775, 20943..21101, 21477..21557		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	10467	Seq. ID	OJ990520_30.9922.C4
Gene No.	22145	Strand	-
Start	16428	End	21573
Name	OJ990520_30.9922.C4.o4.gs	Method	GENSCAN
Start	20148	End	21573
GI	none	Score	.65
Exons	20148..20268, 20700..20775, 21102..21176, 21477..21573		

Seq. No.	10467	Seq. ID	OJ990520_30.9922.C4
Gene No.	22146	Strand	-
Start	21547	End	21789
Name	OJ990520_30.9922.C4.o9.tw	Method	TBLASTX:Wheat
Start	250	End	583
GI	none	Score	126
Exons	250..582, 271..579, 314..583		

Seq. No.	10467	Seq. ID	OJ990520_30.9922.C4
Gene No.	22146	Strand	-
Start	21547	End	21789
Name	OJ990520_30.9922.C4.o1.tm	Method	TBLASTX:Maize
Start	430	End	1029
GI	none	Score	200
Exons	430..870, 446..871, 868..1029, 875..1021, 877..1026		

Seq. No.	10467	Seq. ID	OJ990520_30.9922.C4
Gene No.	22146	Strand	-
Start	21547	End	21789
Name	OJ990520_30.9922.C4.o1.tw	Method	TBLASTX:Wheat
Start	583	End	15431
GI	none	Score	48
Exons	583..1209, 622..708, 695..1153, 868..1203, 15102..15260, 15315..15431		

Seq. No.	10467	Seq. ID	OJ990520_30.9922.C4
Gene No.	22146	Strand	-
Start	21547	End	21789
Name	OJ990520_30.9922.C4.o4.tm	Method	TBLASTX:Maize
Start	1078	End	1370
GI	none	Score	204
Exons	1078..1368, 1082..1369, 1182..1370		

Seq. No.	10467	Seq. ID	OJ990520_30.9922.C4
Gene No.	22146	Strand	-
Start	21547	End	21789
Name	OJ990520_30.9922.C4.o2.ts	Method	TBLASTX:Soybean
Start	1167	End	1428
GI	none	Score	155
Exons	1167..1349, 1168..1428, 1169..1423		

Seq. No.	10467	Seq. ID	OJ990520_30.9922.C4
Gene No.	22146	Strand	-
Start	21547	End	21789
Name	OJ990520_30.9922.C4.o1.tc	Method	TBLASTX:Cress
Start	1192	End	1557
GI	none	Score	85
Exons	1192..1335, 1193..1333, 1336..1509, 1516..1557		

Seq. No.	10467	Seq. ID	OJ990520_30.9922.C4
Gene No.	22146	Strand	-
Start	21547	End	21789
Name	OJ990520_30.9922.C4.o2.tw	Method	TBLASTX:Wheat
Start	1216	End	1783
GI	none	Score	333
Exons	1216..1752, 1217..1783		

Seq. No.	10467	Seq. ID	OJ990520_30.9922.C4
Gene No.	22146	Strand	-
Start	21547	End	21789
Name	OJ990520_30.9922.C4.o2.tm	Method	TBLASTX:Maize
Start	1774	End	13808
GI	none	Score	171
Exons	1774..2136, 1783..2136, 1787..2137, 13668..13808		

Seq. No.	10467	Seq. ID	OJ990520_30.9922.C4
Gene No.	22146	Strand	-
Start	21547	End	21789
Name	OJ990520_30.9922.C4.o3.tw	Method	TBLASTX:Wheat
Start	1786	End	2208
GI	none	Score	341
Exons	1786..2208, 1787..2176		

Seq. No.	10467	Seq. ID	OJ990520_30.9922.C4
Gene No.	22146	Strand	-
Start	21547	End	21789
Name	OJ990520_30.9922.C4.o4.ts	Method	TBLASTX:Soybean
Start	1957	End	2202
GI	none	Score	204
Exons	1957..2202		

Seq. No.	10467	Seq. ID	OJ990520_30.9922.C4
Gene No.	22146	Strand	-
Start	21547	End	21789
Name	OJ990520_30.9922.C4.o3.tm	Method	TBLASTX:Maize
Start	2173	End	12842
GI	none	Score	50
Exons	2173..2487, 2216..2266, 2294..2347, 2494..2673, 2519..2665, 12357..12500, 12489..12842		

Seq. No.	10467	Seq. ID	OJ990520_30.9922.C4
Gene No.	22146	Strand	-
Start	21547	End	21789
Name	OJ990520_30.9922.C4.o5.tw	Method	TBLASTX:Wheat
Start	2209	End	12874
GI	none	Score	472
Exons	2209..2562, 12458..12874, 12459..12872		

Seq. No.	10467	Seq. ID	OJ990520_30.9922.C4
Gene No.	22146	Strand	-
Start	21547	End	21789
Name	OJ990520_30.9922.C4.o1.ts	Method	TBLASTX:Soybean
Start	2224	End	12800
GI	none	Score	199
Exons	2224..2583, 2225..2515, 2543..2581, 2587..2619, 2588..2617, 12429..12800		

Seq. No.	10467	Seq. ID	OJ990520_30.9922.C4
Gene No.	22146	Strand	-
Start	21547	End	21789
Name	OJ990520_30.9922.C4.o14.tw	Method	TBLASTX:Wheat
Start	2563	End	2682
GI	none	Score	135
Exons	2563..2682, 2564..2674		

Seq. No.	10467	Seq. ID	OJ990520_30.9922.C4
Gene No.	22146	Strand	-
Start	21547	End	21789
Name	OJ990520_30.9922.C4.o6.tm	Method	TBLASTX:Maize
Start	2680	End	12356
GI	none	Score	358
Exons	2680..2910, 12018..12356, 12053..12355		

Seq. No.	10467	Seq. ID	OJ990520_30.9922.C4
Gene No.	22146	Strand	-
Start	21547	End	21789
Name	OJ990520_30.9922.C4.o4.tw	Method	TBLASTX:Wheat
Start	2692	End	12350
GI	none	Score	587
Exons	2692..2910, 11888..12343, 11889..12350, 11889..12344		

Seq. No.	10467	Seq. ID	OJ990520_30.9922.C4
Gene No.	22146	Strand	-
Start	21547	End	21789
Name	OJ990520_30.9922.C4.o5.ts	Method	TBLASTX:Soybean
Start	2731	End	12293
GI	none	Score	117
Exons	2731..2865, 11928..12152, 12159..12293		

Seq. No.	10467	Seq. ID	OJ990520_30.9922.C4
Gene No.	22146	Strand	-
Start	21547	End	21789
Name	OJ990520_30.9922.C4.o12.tw	Method	TBLASTX:Wheat
Start	3157	End	3579
GI	none	Score	76
Exons	3157..3324, 3212..3325, 3370..3579, 3371..3523		

Seq. No.	10467	Seq. ID	OJ990520_30.9922.C4
Gene No.	22146	Strand	-
Start	21547	End	21789
Name	OJ990520_30.9922.C4.o7.tm	Method	TBLASTX:Maize
Start	3943	End	4248
GI	none	Score	92
Exons	3943..4248, 4118..4234		

Seq. No.	10467	Seq. ID	OJ990520_30.9922.C4
Gene No.	22146	Strand	-
Start	21547	End	21789
Name	OJ990520_30.9922.C4.o11.tw	Method	TBLASTX:Wheat
Start	4129	End	4491
GI	none	Score	149
Exons	4129..4491, 4130..4489		

Seq. No.	10467	Seq. ID	OJ990520_30.9922.C4
Gene No.	22146	Strand	-
Start	21547	End	21789
Name	OJ990520_30.9922.C4.o10.tw	Method	TBLASTX:Wheat
Start	10107	End	10499
GI	none	Score	58
Exons	10107..10154, 10161..10259, 10242..10499	10166..10258, 10226..10465,	

Seq. No.	10467	Seq. ID	OJ990520_30.9922.C4
Gene No.	22146	Strand	-
Start	21547	End	21789
Name	OJ990520_30.9922.C4.o8.tm	Method	TBLASTX:Maize
Start	10112	End	10397
GI	none	Score	193
Exons	10112..10396, 10149..10397		

Seq. No.	10467	Seq. ID	OJ990520_30.9922.C4
Gene No.	22146	Strand	-
Start	21547	End	21789
Name	OJ990520_30.9922.C4.o6.tw	Method	TBLASTX:Wheat
Start	11237	End	11696
GI	none	Score	405
Exons	11237..11374, 11238..11696, 11432..11692		

Seq. No.	10467	Seq. ID	OJ990520_30.9922.C4
Gene No.	22146	Strand	-
Start	21547	End	21789
Name	OJ990520_30.9922.C4.o8.tw	Method	TBLASTX:Wheat
Start	13725	End	14159
GI	none	Score	235
Exons	13725..13976, 13725..13922, 14021..14158	13790..13966, 14010..14159,	

Seq. No.	10467	Seq. ID	OJ990520_30.9922.C4
Gene No.	22146	Strand	-
Start	21547	End	21789
Name	OJ990520_30.9922.C4.o3.ts	Method	TBLASTX:Soybean
Start	13848	End	14414
GI	5666795	Score	72
Exons	13848..13946, 14022..14159, 14214..14414		

GI Descrip. 4206306 2.0e-10 (AF049110) prpol [Zea mays]

Seq. No.	10467	Seq. ID	OJ990520_30.9922.C4
Gene No.	22146	Strand	-
Start	21547	End	21789
Name	OJ990520_30.9922.C4.o13.tw	Method	TBLASTX:Wheat
Start	14162	End	14474
GI	none	Score	188
Exons	14162..14338, 14214..14474		

Seq. No.	10467	Seq. ID	OJ990520_30.9922.C4
Gene No.	22146	Strand	-
Start	21547	End	21789
Name	OJ990520_30.9922.C4.o5.tm	Method	TBLASTX:Maize
Start	14667	End	14990
GI	none	Score	364
Exons	14667..14990, 14696..14977		

Seq. No.	10467	Seq. ID	OJ990520_30.9922.C4
Gene No.	22146	Strand	-
Start	21547	End	21789
Name	OJ990520_30.9922.C4.o7.tw	Method	TBLASTX:Wheat
Start	14670	End	15059
GI	none	Score	363
Exons	14670..15059, 14693..14983, 15005..15058		

Seq. No.	10467	Seq. ID	OJ990520_30.9922.C4
Gene No.	22146	Strand	-
Start	21547	End	21789
Name	OJ990520_30.9922.C4.o5.np	Method	AAT/NAP
Start	21547	End	21789
GI	82485	Score	109
Exons	21547..21789		

GI Descrip. hypothetical protein 2 - rice gi|20383|emb|CAA29826| (X06611) put. ORF 3 [Oryza sativa]

Seq. No.	10468	Seq. ID	OJ990520_30.9922.C5
Gene No.	22147	Strand	+
Start	1307	End	1833
Name	OJ990520_30.9922.C5.o1.gs	Method	GENSCAN
Start	1307	End	1833
GI	none	Score	.52
Exons	1307..1647, 1704..1833		

Seq. No.	10468	Seq. ID	OJ990520_30.9922.C5
Gene No.	22148	Strand	+
Start	2450	End	2822
Name	OJ990520_30.9922.C5.o1.np	Method	AAT/NAP
Start	2450	End	2822
GI	4914442	Score	118
Exons	2450..2583, 2665..2822		

GI Descrip. (AL050351) putative protein [Arabidopsis thaliana]

Seq. No.	10468	Seq. ID	OJ990520_30.9922.C5
Gene No.	22149	Strand	-
Start	4518	End	4891
Name	OJ990520_30.9922.C5.o3.gs	Method	GENSCAN

Start	4518	End	4891
GI	none	Score	.63
Exons	4518..4681, 4741..4891		

Seq. No.	10468	Seq. ID	OJ990520_30.9922.C5
Gene No.	22150	Strand	-
Start	5764	End	5895
Name	OJ990520_30.9922.C5.o1.tm	Method	TBLASTX:Maize
Start	2675	End	4363
GI	none	Score	186
Exons	2675..2806, 2682..2834, 2721..2807, 4283..4351, 4292..4363, 4312..4362		

Seq. No.	10468	Seq. ID	OJ990520_30.9922.C5
Gene No.	22150	Strand	-
Start	5764	End	5895
Name	OJ990520_30.9922.C5.o2.np	Method	AAT/NAP
Start	5764	End	5895
GI	6907104	Score	97
Exons	5764..5895		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	10469	Seq. ID	OJ990520_30.9922.C6
Gene No.	22151	Strand	+
Start	7389	End	12432
Name	OJ990520_30.9922.C6.o3.gs	Method	GENSCAN
Start	7389	End	12432
GI	none	Score	.61
Exons	7389..7467, 9310..9421, 9795..9847, 10186..10331, 10678..10760, 10875..11025, 11130..11229, 11353..11445, 11652..11700, 11785..11882, 12061..12167, 12259..12432		

Seq. No.	10469	Seq. ID	OJ990520_30.9922.C6
Gene No.	22151	Strand	+
Start	7389	End	12432
Name	OJ990520_30.9922.C6.o2.np	Method	AAT/NAP
Start	10254	End	12429
GI	6723399	Score	400
Exons	10254..10331, 10678..10760, 10875..11025, 11130..11246, 11518..11851, 12268..12429		
GI Descrip.	(AL132956) putative protein [Arabidopsis thaliana]		

Seq. No.	10469	Seq. ID	OJ990520_30.9922.C6
Gene No.	22152	Strand	-
Start	1646	End	3908
Name	OJ990520_30.9922.C6.o2.gs	Method	GENSCAN
Start	1646	End	3908
GI	none	Score	.95
Exons	1646..1932, 1952..2876, 3152..3322, 3339..3401, 3741..3908		

Seq. No.	10469	Seq. ID	OJ990520_30.9922.C6
Gene No.	22152	Strand	-
Start	1646	End	3908
Name	OJ990520_30.9922.C6.o1.np	Method	AAT/NAP
Start	1677	End	3727
GI	6730706	Score	243
Exons	1677..1929, 2033..2200, 3701..3727		

GI Descrip. (AC011809) Hypothetical protein [Arabidopsis thaliana]

Seq. No.	10469	Seq. ID	OJ990520_30.9922.C6
Gene No.	22153	Strand	-
Start	12469	End	19105
Name	OJ990520_30.9922.C6.o3.tm	Method	TBLASTX:Maize
Start	10672	End	11180
GI	none	Score	114
Exons	10672..10758, 10676..10774, 10681..10758, 10874..11020, 10875..11021, 10876..11025, 11127..11180, 11141..11179		

Seq. No.	10469	Seq. ID	OJ990520_30.9922.C6
Gene No.	22153	Strand	-
Start	12469	End	19105
Name	OJ990520_30.9922.C6.o1.tw	Method	TBLASTX:Wheat
Start	10675	End	11231
GI	none	Score	86
Exons	10675..10767, 10676..10756, 10866..11012, 10876..11025, 10876..11025, 11127..11231, 11144..11230		

Seq. No.	10469	Seq. ID	OJ990520_30.9922.C6
Gene No.	22153	Strand	-
Start	12469	End	19105
Name	OJ990520_30.9922.C6.o2.ts	Method	TBLASTX:Soybean
Start	10675	End	11234
GI	none	Score	79
Exons	10675..10758, 10872..11030, 10876..11034, 11144..11227, 11145..11234		

Seq. No.	10469	Seq. ID	OJ990520_30.9922.C6
Gene No.	22153	Strand	-
Start	12469	End	19105
Name	OJ990520_30.9922.C6.o3.np	Method	AAT/NAP
Start	12469	End	19105
GI	4415937	Score	1219
Exons	12469..12501, 13791..13983, 14057..14134, 14174..14317, 14983..15116, 15200..15423, 16195..16359, 16453..16623, 17489..17545, 17632..18602, 19074..19105		

GI Descrip. (AC006418) hypothetical protein [Arabidopsis thaliana]

Seq. No.	10469	Seq. ID	OJ990520_30.9922.C6
Gene No.	22153	Strand	-
Start	12469	End	19105
Name	OJ990520_30.9922.C6.o4.tm	Method	TBLASTX:Maize
Start	13579	End	14195
GI	none	Score	94
Exons	13579..13647, 13581..13643, 13647..13682, 13648..13677, 13793..13834, 13806..13826, 13809..13985, 13838..13963, 13838..13888, 13843..13986, 13861..13983, 14010..14105, 14055..14105, 14142..14195, 14144..14194		

Seq. No.	10469	Seq. ID	OJ990520_30.9922.C6
Gene No.	22153	Strand	-
Start	12469	End	19105
Name	OJ990520_30.9922.C6.o1.tc	Method	TBLASTX:Cress
Start	13596	End	13903
GI	none	Score	83

Exons	13596..13682, 13603..13677, 13805..13903		
Seq. No.	10469	Seq. ID	OJ990520_30.9922.C6
Gene No.	22153	Strand	-
Start	12469	End	19105
Name	OJ990520_30.9922.C6.o4.gs	Method	GENSCAN
Start	13787	End	18729
GI	none	Score	.61
Exons	13787..13983, 14057..14317, 14983..15136, 15262..15423, 16195..16486, 16535..16623, 17489..17545, 17632..18729		
Seq. No.	10469	Seq. ID	OJ990520_30.9922.C6
Gene No.	22153	Strand	-
Start	12469	End	19105
Name	OJ990520_30.9922.C6.o2.tm	Method	TBLASTX:Maize
Start	14966	End	15405
GI	none	Score	121
Exons	14966..15097, 14981..15115, 14982..15116, 14983..15117, 15193..15405, 15204..15404		
Seq. No.	10469	Seq. ID	OJ990520_30.9922.C6
Gene No.	22153	Strand	-
Start	12469	End	19105
Name	OJ990520_30.9922.C6.o1.ts	Method	TBLASTX:Soybean
Start	16199	End	16468
GI	none	Score	57
Exons	16199..16282, 16201..16467, 16278..16391, 16394..16468		
Seq. No.	10469	Seq. ID	OJ990520_30.9922.C6
Gene No.	22153	Strand	-
Start	12469	End	19105
Name	OJ990520_30.9922.C6.o1.tm	Method	TBLASTX:Maize
Start	16202	End	16620
GI	none	Score	356
Exons	16202..16291, 16203..16619, 16204..16620		
Seq. No.	10469	Seq. ID	OJ990520_30.9922.C6
Gene No.	22153	Strand	-
Start	12469	End	19105
Name	OJ990520_30.9922.C6.o1.gp	Method	AAT/GAP
Start	17880	End	18349
GI	none	Score	922
Exons	17880..18349		
Seq. No.	10470	Seq. ID	OJ990520_30.9922.C7
Gene No.	22154	Strand	+
Start	7641	End	8218
Name	OJ990520_30.9922.C7.o1.gp	Method	AAT/GAP
Start	7641	End	8218
GI	none	Score	1124
Exons	7641..8218		
Seq. No.	10470	Seq. ID	OJ990520_30.9922.C7
Gene No.	22155	Strand	+
Start	9941	End	11855
Name	OJ990520_30.9922.C7.o2.gs	Method	GENSCAN
Start	9941	End	11855

GI	none	Score	.75
Exons	9941..10183, 10328..10524, 11717..11855		

Seq. No.	10470	Seq. ID	OJ990520_30.9922.C7
Gene No.	22156	Strand	+
Start	15230	End	19914
Name	OJ990520_30.9922.C7.o2.np	Method	AAT/NAP
Start	13362	End	13448
GI	6721547	Score	80
Exons	13362..13448		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	10470	Seq. ID	OJ990520_30.9922.C7
Gene No.	22156	Strand	+
Start	15230	End	19914
Name	OJ990520_30.9922.C7.o4.np	Method	AAT/NAP
Start	13596	End	16980
GI	6094106	Score	185
Exons	13596..13712, 14598..14825, 16932..16980		
GI Descrip.	MITOCHONDRIAL 60S RIBOSOMAL PROTEIN L2		

Seq. No.	10470	Seq. ID	OJ990520_30.9922.C7
Gene No.	22156	Strand	+
Start	15230	End	19914
Name	OJ990520_30.9922.C7.o3.np	Method	AAT/NAP
Start	14276	End	14351
GI	6650526	Score	29
Exons	14276..14351		
GI Descrip.	(AF101045) putative transcription factor X1 [Oryza sativa subsp. japonica]		

Seq. No.	10470	Seq. ID	OJ990520_30.9922.C7
Gene No.	22156	Strand	+
Start	15230	End	19914
Name	OJ990520_30.9922.C7.o3.gp	Method	AAT/GAP
Start	15163	End	15773
GI	66234_1.R1084	Score	872
Exons	15163..15540, 15623..15773		
GI Descrip.	'3643090/gb|AAC36700| 4.0e-21 (AF075582) protein phosphatase-2C; PP2C [Mesembryanthemum crystallinum]'		

Seq. No.	10470	Seq. ID	OJ990520_30.9922.C7
Gene No.	22156	Strand	+
Start	15230	End	19914
Name	OJ990520_30.9922.C7.o3.gs	Method	GENSCAN
Start	15230	End	19914
GI	none	Score	.77
Exons	15230..15531, 15623..15751, 16211..16313, 17080..17159, 17843..17959, 18083..18137, 19630..19914		

Seq. No.	10470	Seq. ID	OJ990520_30.9922.C7
Gene No.	22156	Strand	+
Start	15230	End	19914
Name	OJ990520_30.9922.C7.o5.np	Method	AAT/NAP
Start	15230	End	18801
GI	4972111	Score	793
Exons	15230..15540, 15623..15761, 16218..16313, 16480..16590,		

	17080..17159, 17269..17322, 17843..17959, 18083..18131, 18231..18263, 18399..18445, 18684..18801
GI Descrip.	(AL078579) protein phosphatase homolog (PPH1) [Arabidopsis thaliana]

Seq. No.	10470	Seq. ID	OJ990520_30.9922.C7
Gene No.	22156	Strand	+
Start	15230	End	19914
Name	OJ990520_30.9922.C7.o4.gp	Method	AAT/GAP
Start	16211	End	18979
GI	3935_1.R1084	Score	1553
Exons	16211..16313, 16480..16590, 17080..17159, 17269..17322, 17843..17959, 18083..18137, 18231..18263, 18399..18445, 18684..18979		
GI Descrip.	'4972111/emb|CAB43968.1| 6.0e-87 (AL078579) protein phosphatase homolog (PPH1) [Arabidopsis thaliana]'		

Seq. No.	10470	Seq. ID	OJ990520_30.9922.C7
Gene No.	22157	Strand	-
Start	1	End	9255
Name	OJ990520_30.9922.C7.o1.np	Method	AAT/NAP
Start	1	End	6860
GI	4415937	Score	1818
Exons	1..254, 373..618, 707..978, 1279..1443, 1944..2172, 2343..2859, 3251..3394, 3893..6350, 6451..6576, 6604..6860		
GI Descrip.	(AC006418) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	10470	Seq. ID	OJ990520_30.9922.C7
Gene No.	22157	Strand	-
Start	1	End	9255
Name	OJ990520_30.9922.C7.o2.tm	Method	TBLASTX:Maize
Start	3	End	406
GI	none	Score	134
Exons	3..185, 5..196, 6..185, 13..204, 186..254, 187..252, 204..254, 361..405, 374..406		

Seq. No.	10470	Seq. ID	OJ990520_30.9922.C7
Gene No.	22157	Strand	-
Start	1	End	9255
Name	OJ990520_30.9922.C7.o1.gs	Method	GENSCAN
Start	373	End	9255
GI	none	Score	.7
Exons	373..561, 707..850, 1279..1443, 1944..2172, 2343..2784, 3768..6344, 6436..6616, 6849..6946, 9177..9255		

Seq. No.	10470	Seq. ID	OJ990520_30.9922.C7
Gene No.	22157	Strand	-
Start	1	End	9255
Name	OJ990520_30.9922.C7.o1.tm	Method	TBLASTX:Maize
Start	685	End	1392
GI	none	Score	242
Exons	685..795, 686..931, 698..931, 717..938, 896..976, 930..977, 1279..1374, 1357..1392		

Seq. No.	10470	Seq. ID	OJ990520_30.9922.C7
Gene No.	22157	Strand	-
Start	1	End	9255

Name	OJ990520_30.9922.C7.o4.tm	Method	TBLASTX:Maize
Start	2543	End	3964
GI	none	Score	139
Exons	2543..2683, 2553..2687, 2686..2793, 2686..2784, 2690..2806, 3765..3869, 3766..3906, 3766..3903, 3898..3963, 3899..3964		

Seq. No.	10470	Seq. ID	OJ990520_30.9922.C7
Gene No.	22157	Strand	-
Start	1	End	9255
Name	OJ990520_30.9922.C7.o2.gp	Method	AAT/GAP
Start	8655	End	9128
GI	none	Score	920
Exons	8655..9128		

Seq. No.	10470	Seq. ID	OJ990520_30.9922.C7
Gene No.	22158	Strand	
Start	15383	End	18845
Name	OJ990520_30.9922.C7.o1.ts	Method	TBLASTX:Soybean
Start	15383	End	15743
GI	none	Score	90
Exons	15383..15472, 15472..15540, 15473..15538, 15606..15743		

Seq. No.	10470	Seq. ID	OJ990520_30.9922.C7
Gene No.	22158	Strand	
Start	15383	End	18845
Name	OJ990520_30.9922.C7.o1.tc	Method	TBLASTX:Cress
Start	15395	End	16322
GI	none	Score	82
Exons	15395..15460, 15473..15541, 15475..15540, 15621..15752, 16224..16322		

Seq. No.	10470	Seq. ID	OJ990520_30.9922.C7
Gene No.	22158	Strand	
Start	15383	End	18845
Name	OJ990520_30.9922.C7.o3.tm	Method	TBLASTX:Maize
Start	15645	End	18845
GI	none	Score	137
Exons	15645..15752, 15659..15751, 16230..16322, 16238..16315, 16249..16323, 16473..16589, 16475..16588, 16479..16589, 16480..16593, 16483..16593, 17073..17159, 17076..17159, 17080..17166, 17080..17175, 17263..17349, 17270..17326, 17819..17977, 17841..17957, 17841..17987, 17851..17964, 18077..18136, 18081..18140, 18228..18263, 18235..18264, 18399..18446, 18399..18446, 18671..18838, 18684..18845, 18685..18786		

Seq. No.	10471	Seq. ID	OJ990520_30.9922.C8
Gene No.	22159	Strand	+
Start	161	End	1649
Name	OJ990520_30.9922.C8.o1.gs	Method	GENSCAN
Start	161	End	1649
GI	none	Score	.82
Exons	161..701, 1111..1649		

Seq. No.	10471	Seq. ID	OJ990520_30.9922.C8
Gene No.	22160	Strand	+
Start	4863	End	8894

Name	OJ990520_30.9922.C8.o2.gs	Method	GENSCAN
Start	4863	End	8894
GI	none	Score	.54
Exons	4863..4892, 5894..6101, 6222..6332, 6703..6854, 6998..7085, 8878..8894		

Seq. No.	10471	Seq. ID	OJ990520_30.9922.C8
Gene No.	22161	Strand	-
Start	2605	End	3896
Name	OJ990520_30.9922.C8.o1.gp	Method	AAT/GAP
Start	2605	End	3896
GI	none	Score	652
Exons	2605..2936, 3846..3896		

Seq. No.	10471	Seq. ID	OJ990520_30.9922.C8
Gene No.	22162	Strand	-
Start	5799	End	6290
Name	OJ990520_30.9922.C8.o1.tm	Method	TBLASTX:Maize
Start	131	End	409
GI	none	Score	218
Exons	131..409		

Seq. No.	10471	Seq. ID	OJ990520_30.9922.C8
Gene No.	22162	Strand	-
Start	5799	End	6290
Name	OJ990520_30.9922.C8.o1.tw	Method	TBLASTX:Wheat
Start	173	End	565
GI	none	Score	186
Exons	173..565		

Seq. No.	10471	Seq. ID	OJ990520_30.9922.C8
Gene No.	22162	Strand	-
Start	5799	End	6290
Name	OJ990520_30.9922.C8.o2.gp	Method	AAT/GAP
Start	5799	End	6290
GI	none	Score	924
Exons	5799..6290		

Seq. No.	10472	Seq. ID	OJ990520_30.9922.C9
Gene No.	22163	Strand	+
Start	1	End	10562
Name	OJ990520_30.9922.C9.o1.np	Method	AAT/NAP
Start	1	End	10562
GI	4417309	Score	839
Exons	1..27, 529..889, 2893..3167, 5362..6112, 6203..6534, 10537..10562		
GI Descrip.	(AC006446) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	10472	Seq. ID	OJ990520_30.9922.C9
Gene No.	22163	Strand	+
Start	1	End	10562
Name	OJ990520_30.9922.C9.o1.gs	Method	GENSCAN
Start	552	End	1564
GI	none	Score	.54
Exons	552..828, 1482..1564		

Seq. No.	10472	Seq. ID	OJ990520_30.9922.C9
Gene No.	22164	Strand	+
Start	13122	End	13687
Name	OJ990520_30.9922.C9.o2.gp	Method	AAT/GAP
Start	13122	End	13687
GI	uC-osflcyp088b12b1	Score	159
Exons	13122..13230, 13662..13687		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	10472	Seq. ID	OJ990520_30.9922.C9
Gene No.	22165	Strand	+
Start	18732	End	19135
Name	OJ990520_30.9922.C9.o3.gp	Method	AAT/GAP
Start	18732	End	19135
GI	2312652	Score	695
Exons	18732..19135		
GI Descrip.	4521194/dbj|AB013613.1|AB013613 2.0e-40 Oryza sativa DNA, centromere sequence RCB11		

Seq. No.	10472	Seq. ID	OJ990520_30.9922.C9
Gene No.	22166	Strand	+
Start	24497	End	26561
Name	OJ990520_30.9922.C9.o3.np	Method	AAT/NAP
Start	24497	End	26561
GI	4417307	Score	415
Exons	24497..24521, 25743..26561		
GI Descrip.	(AC006446) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	10472	Seq. ID	OJ990520_30.9922.C9
Gene No.	22166	Strand	+
Start	24497	End	26561
Name	OJ990520_30.9922.C9.o2.np	Method	AAT/NAP
Start	25541	End	26174
GI	2832245	Score	353
Exons	25541..26174		
GI Descrip.	(AF031569) hypothetical protein [Zea mays]		

Seq. No.	10472	Seq. ID	OJ990520_30.9922.C9
Gene No.	22167	Strand	-
Start	12644	End	26806
Name	OJ990520_30.9922.C9.o4.tw	Method	TBLASTX:Wheat
Start	609	End	830
GI	none	Score	200
Exons	609..830		

Seq. No.	10472	Seq. ID	OJ990520_30.9922.C9
Gene No.	22167	Strand	-
Start	12644	End	26806
Name	OJ990520_30.9922.C9.o2.tw	Method	TBLASTX:Wheat
Start	5143	End	5548
GI	none	Score	158
Exons	5143..5358, 5151..5318, 5344..5547, 5354..5548		

Seq. No.	10472	Seq. ID	OJ990520_30.9922.C9
Gene No.	22167	Strand	-

Start	12644	End	26806
Name	OJ990520_30.9922.C9.o3.tm	Method	TBLASTX:Maize
Start	5221	End	5578
GI	none	Score	111
Exons	5221..5358, 5224..5358, 5341..5565, 5354..5578, 5354..5578		

Seq. No.	10472	Seq. ID	OJ990520_30.9922.C9
Gene No.	22167	Strand	-
Start	12644	End	26806
Name	OJ990520_30.9922.C9.o1.tm	Method	TBLASTX:Maize
Start	5606	End	5989
GI	none	Score	386
Exons	5606..5989, 5620..5976		

Seq. No.	10472	Seq. ID	OJ990520_30.9922.C9
Gene No.	22167	Strand	-
Start	12644	End	26806
Name	OJ990520_30.9922.C9.o1.tw	Method	TBLASTX:Wheat
Start	5663	End	6085
GI	none	Score	431
Exons	5663..6085, 5668..5976, 5762..5980		

Seq. No.	10472	Seq. ID	OJ990520_30.9922.C9
Gene No.	22167	Strand	-
Start	12644	End	26806
Name	OJ990520_30.9922.C9.o1.ts	Method	TBLASTX:Soybean
Start	5741	End	6169
GI	none	Score	292
Exons	5741..6169, 5746..5865		

Seq. No.	10472	Seq. ID	OJ990520_30.9922.C9
Gene No.	22167	Strand	-
Start	12644	End	26806
Name	OJ990520_30.9922.C9.o5.tw	Method	TBLASTX:Wheat
Start	6152	End	6397
GI	none	Score	182
Exons	6152..6397, 6166..6396		

Seq. No.	10472	Seq. ID	OJ990520_30.9922.C9
Gene No.	22167	Strand	-
Start	12644	End	26806
Name	OJ990520_30.9922.C9.o3.gs	Method	GENSCAN
Start	12644	End	26806
GI	none	Score	.46
Exons	12644..12883, 13004..13114, 13753..13876, 14171..14284, 14594..14804, 14955..14994, 17085..17231, 20859..21109, 23941..24167, 24269..24388, 24484..24746, 25014..25148, 26740..26806		

Seq. No.	10472	Seq. ID	OJ990520_30.9922.C9
Gene No.	22167	Strand	-
Start	12644	End	26806
Name	OJ990520_30.9922.C9.o2.tm	Method	TBLASTX:Maize
Start	25743	End	26204
GI	none	Score	359
Exons	25743..26204, 25850..26203		

Seq. No.	10472	Seq. ID	OJ990520_30.9922.C9
Gene No.	22167	Strand	-
Start	12644	End	26806
Name	OJ990520_30.9922.C9.o3.tw	Method	TBLASTX:Wheat
Start	25854	End	26243
GI	none	Score	231
Exons	25854..26243		

Seq. No.	10472	Seq. ID	OJ990520_30.9922.C9
Gene No.	22167	Strand	-
Start	12644	End	26806
Name	OJ990520_30.9922.C9.o2.ts	Method	TBLASTX:Soybean
Start	26043	End	26390
GI	none	Score	73
Exons	26043..26156, 26166..26390		

Seq. No.	10472	Seq. ID	OJ990520_30.9922.C9
Gene No.	22167	Strand	-
Start	12644	End	26806
Name	OJ990520_30.9922.C9.o4.tm	Method	TBLASTX:Maize
Start	26205	End	26374
GI	none	Score	199
Exons	26205..26372, 26207..26344, 26210..26374		

Seq. No.	10473	Seq. ID	OJ990520_30.9922.C10
Gene No.	22168	Strand	+
Start	248	End	526
Name	OJ990520_30.9922.C10.o1.gs	Method	GENSCAN
Start	248	End	526
GI	none	Score	.81
Exons	248..526		

Seq. No.	10473	Seq. ID	OJ990520_30.9922.C10
Gene No.	22169	Strand	+
Start	2826	End	4279
Name	OJ990520_30.9922.C10.o3.gs	Method	GENSCAN
Start	2826	End	4279
GI	none	Score	.71
Exons	2826..3203, 4214..4279		

Seq. No.	10473	Seq. ID	OJ990520_30.9922.C10
Gene No.	22170	Strand	+
Start	11176	End	14101
Name	OJ990520_30.9922.C10.o1.np	Method	AAT/NAP
Start	11176	End	14089
GI	6691716	Score	2482
Exons	11176..12060, 12258..12436, 12513..12615, 12692..12871, 12949..13136, 13211..13313, 13463..13576, 13650..14089		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa], gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	10473	Seq. ID	OJ990520_30.9922.C10
Gene No.	22170	Strand	+
Start	11176	End	14101
Name	OJ990520_30.9922.C10.o6.gs	Method	GENSCAN
Start	11176	End	14101

GI	none	Score	.85
Exons	11176..12060, 12216..12436, 12513..12871, 12949..13136, 13211..13400, 13650..14101		

Seq. No.	10473	Seq. ID	OJ990520_30.9922.C10
Gene No.	22171	Strand	+
Start	20249	End	21007
Name	OJ990520_30.9922.C10.o1.gp	Method	AAT/GAP
Start	20249	End	21007
GI	5816562	Score	612
Exons	20249..20274, 20595..21007		
GI Descrip.	6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10		

Seq. No.	10473	Seq. ID	OJ990520_30.9922.C10
Gene No.	22172	Strand	+
Start	24377	End	26052
Name	OJ990520_30.9922.C10.o3.np	Method	AAT/NAP
Start	24377	End	26052
GI	5295950	Score	127
Exons	24377..24848, 26023..26052		
GI Descrip.	(AB026295) EST AU066268(S5980) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	10473	Seq. ID	OJ990520_30.9922.C10
Gene No.	22173	Strand	-
Start	646	End	2070
Name	OJ990520_30.9922.C10.o2.gs	Method	GENSCAN
Start	646	End	2070
GI	none	Score	.98
Exons	646..1070, 1518..2070		

Seq. No.	10473	Seq. ID	OJ990520_30.9922.C10
Gene No.	22174	Strand	-
Start	8167	End	9220
Name	OJ990520_30.9922.C10.o5.gs	Method	GENSCAN
Start	8167	End	9220
GI	none	Score	.74
Exons	8167..8275, 8372..8642, 8965..9220		

Seq. No.	10473	Seq. ID	OJ990520_30.9922.C10
Gene No.	22175	Strand	-
Start	14431	End	24621
Name	OJ990520_30.9922.C10.o9.tw	Method	TBLASTX:Wheat
Start	11272	End	11586
GI	none	Score	217
Exons	11272..11586		

Seq. No.	10473	Seq. ID	OJ990520_30.9922.C10
Gene No.	22175	Strand	-
Start	14431	End	24621
Name	OJ990520_30.9922.C10.o7.gs	Method	GENSCAN
Start	14431	End	17529
GI	none	Score	1
Exons	14431..17529		

Seq. No.	10473	Seq. ID	OJ990520_30.9922.C10

Gene No.	22175	Strand	-
Start	14431	End	24621
Name	OJ990520_30.9922.C10.o2.tw	Method	TBLASTX:Wheat
Start	14443	End	15057
GI	none	Score	86
Exons	14443..14574, 14566..15057, 14774..14896, 14878..14907, 14951..15037		

Seq. No.	10473	Seq. ID	OJ990520_30.9922.C10
Gene No.	22175	Strand	-
Start	14431	End	24621
Name	OJ990520_30.9922.C10.o2.np	Method	AAT/NAP
Start	14467	End	20548
GI	5922631	Score	6757
Exons	14467..16994, 17601..18527, 18654..18804, 18847..19411, 19457..19664, 19922..20166, 20425..20548		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	10473	Seq. ID	OJ990520_30.9922.C10
Gene No.	22175	Strand	-
Start	14431	End	24621
Name	OJ990520_30.9922.C10.o4.tm	Method	TBLASTX:Maize
Start	14482	End	14745
GI	none	Score	100
Exons	14482..14583, 14483..14584, 14563..14745, 14564..14689		

Seq. No.	10473	Seq. ID	OJ990520_30.9922.C10
Gene No.	22175	Strand	-
Start	14431	End	24621
Name	OJ990520_30.9922.C10.o5.tm	Method	TBLASTX:Maize
Start	14827	End	15100
GI	none	Score	53
Exons	14827..14913, 14923..15006, 14933..15010, 14993..15100, 15001..15099		

Seq. No.	10473	Seq. ID	OJ990520_30.9922.C10
Gene No.	22175	Strand	-
Start	14431	End	24621
Name	OJ990520_30.9922.C10.o4.tw	Method	TBLASTX:Wheat
Start	15170	End	15561
GI	none	Score	192
Exons	15170..15559, 15172..15561, 15172..15558		

Seq. No.	10473	Seq. ID	OJ990520_30.9922.C10
Gene No.	22175	Strand	-
Start	14431	End	24621
Name	OJ990520_30.9922.C10.o1.tm	Method	TBLASTX:Maize
Start	15233	End	15565
GI	none	Score	250
Exons	15233..15565, 15241..15564		

Seq. No.	10473	Seq. ID	OJ990520_30.9922.C10
Gene No.	22175	Strand	-
Start	14431	End	24621
Name	OJ990520_30.9922.C10.o10.tw	Method	TBLASTX:Wheat
Start	15562	End	15861
GI	none	Score	58
Exons	15562..15660, 15587..15676, 15727..15861		

Seq. No.	10473	Seq. ID	OJ990520_30.9922.C10
Gene No.	22175	Strand	-
Start	14431	End	24621
Name	OJ990520_30.9922.C10.o6.tm	Method	TBLASTX:Maize
Start	15793	End	16152
GI	none	Score	63
Exons	15793..16047, 15932..16039, 16087..16152		

Seq. No.	10473	Seq. ID	OJ990520_30.9922.C10
Gene No.	22175	Strand	-
Start	14431	End	24621
Name	OJ990520_30.9922.C10.o5.tw	Method	TBLASTX:Wheat
Start	15877	End	16299
GI	none	Score	220
Exons	15877..16299, 15953..16294		

Seq. No.	10473	Seq. ID	OJ990520_30.9922.C10
Gene No.	22175	Strand	-
Start	14431	End	24621
Name	OJ990520_30.9922.C10.o2.ts	Method	TBLASTX:Soybean
Start	15920	End	16308
GI	none	Score	108
Exons	15920..16159, 15922..16164, 16204..16308, 16214..16300		

Seq. No.	10473	Seq. ID	OJ990520_30.9922.C10
Gene No.	22175	Strand	-
Start	14431	End	24621
Name	OJ990520_30.9922.C10.o8.tw	Method	TBLASTX:Wheat
Start	16300	End	16584
GI	none	Score	64
Exons	16300..16395, 16303..16584, 16459..16584		

Seq. No.	10473	Seq. ID	OJ990520_30.9922.C10
Gene No.	22175	Strand	-
Start	14431	End	24621
Name	OJ990520_30.9922.C10.o3.tm	Method	TBLASTX:Maize
Start	16423	End	16867
GI	none	Score	56
Exons	16423..16449, 16459..16584, 16459..16590, 16609..16866, 16612..16866, 16613..16867		

Seq. No.	10473	Seq. ID	OJ990520_30.9922.C10
Gene No.	22175	Strand	-
Start	14431	End	24621
Name	OJ990520_30.9922.C10.o1.ts	Method	TBLASTX:Soybean
Start	16534	End	16965
GI	none	Score	41
Exons	16534..16965, 16568..16708, 16774..16902, 16793..16918		

Seq. No.	10473	Seq. ID	OJ990520_30.9922.C10
Gene No.	22175	Strand	-
Start	14431	End	24621
Name	OJ990520_30.9922.C10.o3.tw	Method	TBLASTX:Wheat
Start	16589	End	17013
GI	none	Score	282
Exons	16589..16969, 16594..17013		

Seq. No.	10473	Seq. ID	OJ990520_30.9922.C10
Gene No.	22175	Strand	-
Start	14431	End	24621
Name	OJ990520_30.9922.C10.o2.tm	Method	TBLASTX:Maize
Start	17097	End	17454
GI	none	Score	50
Exons	17097..17381, 17098..17205, 17098..17454, 17222..17437		

Seq. No.	10473	Seq. ID	OJ990520_30.9922.C10
Gene No.	22175	Strand	-
Start	14431	End	24621
Name	OJ990520_30.9922.C10.o1.tw	Method	TBLASTX:Wheat
Start	17128	End	17584
GI	none	Score	257
Exons	17128..17583, 17129..17584		

Seq. No.	10473	Seq. ID	OJ990520_30.9922.C10
Gene No.	22175	Strand	-
Start	14431	End	24621
Name	OJ990520_30.9922.C10.o3.ts	Method	TBLASTX:Soybean
Start	17179	End	17544
GI	none	Score	139
Exons	17179..17313, 17320..17544		

Seq. No.	10473	Seq. ID	OJ990520_30.9922.C10
Gene No.	22175	Strand	-
Start	14431	End	24621
Name	OJ990520_30.9922.C10.o8.gs	Method	GENSCAN
Start	17743	End	24621
GI	none	Score	.52
Exons	17743..17909, 18081..19679, 19883..20596, 24050..24230, 24547..24621		

Seq. No.	10473	Seq. ID	OJ990520_30.9922.C10
Gene No.	22175	Strand	-
Start	14431	End	24621
Name	OJ990520_30.9922.C10.o6.tw	Method	TBLASTX:Wheat
Start	17836	End	18228
GI	none	Score	166
Exons	17836..18228, 17843..18085		

Seq. No.	10473	Seq. ID	OJ990520_30.9922.C10
Gene No.	22175	Strand	-
Start	14431	End	24621
Name	OJ990520_30.9922.C10.o7.tw	Method	TBLASTX:Wheat
Start	18841	End	19243
GI	none	Score	110
Exons	18841..19242, 18935..19243		

Seq. No.	10474	Seq. ID	OJ990520_30.9922.C11
Gene No.	22176	Strand	+
Start	287	End	513
Name	OJ990520_30.9922.C11.o1.gs	Method	GENSCAN
Start	287	End	513
GI	none	Score	.57
Exons	287..409, 427..513		

Seq. No.	10475	Seq. ID	OJ990520_30.9922.C12
Gene No.	22177	Strand	+
Start	253	End	758
Name	OJ990520_30.9922.C12.o1.tm	Method	TBLASTX:Maize
Start	141	End	525
GI	none	Score	97
Exons	141..233, 143..235, 163..234, 262..525, 270..494, 283..516		

Seq. No.	10475	Seq. ID	OJ990520_30.9922.C12
Gene No.	22177	Strand	+
Start	253	End	758
Name	OJ990520_30.9922.C12.o1.np	Method	AAT/NAP
Start	253	End	758
GI	3645899	Score	464
Exons	253..758		
GI Descrip.	(U68408) 5' end not determined experimentally [Zea mays]		

Seq. No.	10475	Seq. ID	OJ990520_30.9922.C12
Gene No.	22177	Strand	+
Start	253	End	758
Name	OJ990520_30.9922.C12.o1.gs	Method	GENSCAN
Start	256	End	402
GI	none	Score	.92
Exons	256..402		

Seq. No.	10475	Seq. ID	OJ990520_30.9922.C12
Gene No.	22177	Strand	+
Start	253	End	758
Name	OJ990520_30.9922.C12.o1.tw	Method	TBLASTX:Wheat
Start	277	End	594
GI	none	Score	237
Exons	277..594, 291..512		

Seq. No.	10475	Seq. ID	OJ990520_30.9922.C12
Gene No.	22177	Strand	+
Start	253	End	758
Name	OJ990520_30.9922.C12.o2.tm	Method	TBLASTX:Maize
Start	528	End	756
GI	none	Score	69
Exons	528..635, 544..633, 623..733, 624..752, 624..740, 628..756, 640..753		

Seq. No.	10476	Seq. ID	OJ990520_30.9922.C13
Gene No.	22178	Strand	+
Start	1	End	419
Name	OJ990520_30.9922.C13.o1.np	Method	AAT/NAP
Start	1	End	419
GI	2498930	Score	703
Exons	1..419		

GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		
Seq. No.	10476	Seq. ID	OJ990520_30.9922.C13
Gene No.	22178	Strand	+
Start	1	End	419
Name	OJ990520_30.9922.C13.o1.gs	Method	GENSCAN
Start	85	End	306
GI	none	Score	.88
Exons	85..306		
Seq. No.	10477	Seq. ID	OJ990530_33.9924.C1
Gene No.	22179	Strand	+
Start	1	End	1399
Name	OJ990530_33.9924.C1.o1.np	Method	AAT/NAP
Start	1	End	1396
GI	6630685	Score	1263
Exons	1..1396		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		
Seq. No.	10477	Seq. ID	OJ990530_33.9924.C1
Gene No.	22179	Strand	+
Start	1	End	1399
Name	OJ990530_33.9924.C1.o1.gs	Method	GENSCAN
Start	191	End	1399
GI	none	Score	.83
Exons	191..339, 419..891, 924..1399		
Seq. No.	10477	Seq. ID	OJ990530_33.9924.C1
Gene No.	22180	Strand	+
Start	2922	End	10188
Name	OJ990530_33.9924.C1.o2.gs	Method	GENSCAN
Start	2922	End	10188
GI	none	Score	.71
Exons	2922..3004, 3218..3519, 4187..4215, 5897..5926, 6371..6446, 6724..6772, 8727..8758, 9731..9844, 10001..10188		
Seq. No.	10477	Seq. ID	OJ990530_33.9924.C1
Gene No.	22180	Strand	+
Start	2922	End	10188
Name	OJ990530_33.9924.C1.o1.gp	Method	AAT/GAP
Start	2965	End	3454
GI	uC-osrocyp002b09b1	Score	932
Exons	2965..3454		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		
Seq. No.	10477	Seq. ID	OJ990530_33.9924.C1
Gene No.	22181	Strand	-
Start	3666	End	4011
Name	OJ990530_33.9924.C1.o2.gp	Method	AAT/GAP
Start	3666	End	4011
GI	uC-osrocyp002b09a1	Score	485
Exons	3666..4011		
GI Descrip.	'4768980/gb|AAD29703.1|AF140490_1 1.0e-35 (AF140490) heat-shock protein [Oryza sativa]'		

Seq. No.	10477	Seq. ID	OJ990530_33.9924.C1
Gene No.	22182	Strand	-
Start	11027	End	16105
Name	OJ990530_33.9924.C1.o1.tw	Method	TBLASTX:Wheat
Start	185	End	355
GI	none	Score	231
Exons	185..355, 186..272, 187..354		

Seq. No.	10477	Seq. ID	OJ990530_33.9924.C1
Gene No.	22182	Strand	-
Start	11027	End	16105
Name	OJ990530_33.9924.C1.o2.ts	Method	TBLASTX:Soybean
Start	185	End	372
GI	5509260	Score	254
Exons	185..370, 186..344, 187..372		
GI Descrip.	-		

Seq. No.	10477	Seq. ID	OJ990530_33.9924.C1
Gene No.	22182	Strand	-
Start	11027	End	16105
Name	OJ990530_33.9924.C1.o2.tm	Method	TBLASTX:Maize
Start	185	End	608
GI	none	Score	293
Exons	185..412, 186..344, 187..396,	402..608,	402..605

Seq. No.	10477	Seq. ID	OJ990530_33.9924.C1
Gene No.	22182	Strand	-
Start	11027	End	16105
Name	OJ990530_33.9924.C1.o3.ts	Method	TBLASTX:Soybean
Start	512	End	740
GI	none	Score	192
Exons	512..679, 516..740		

Seq. No.	10477	Seq. ID	OJ990530_33.9924.C1
Gene No.	22182	Strand	-
Start	11027	End	16105
Name	OJ990530_33.9924.C1.o2.tw	Method	TBLASTX:Wheat
Start	540	End	896
GI	none	Score	103
Exons	540..692, 720..896		

Seq. No.	10477	Seq. ID	OJ990530_33.9924.C1
Gene No.	22182	Strand	-
Start	11027	End	16105
Name	OJ990530_33.9924.C1.o1.tm	Method	TBLASTX:Maize
Start	723	End	1378
GI	none	Score	206
Exons	723..920, 731..901, 932..1378,	934..1377	

Seq. No.	10477	Seq. ID	OJ990530_33.9924.C1
Gene No.	22182	Strand	-
Start	11027	End	16105
Name	OJ990530_33.9924.C1.o1.tc	Method	TBLASTX:Cress
Start	732	End	1378
GI	none	Score	110
Exons	732..902, 1013..1147, 1165..1284,	1166..1378	

Seq. No.	10477	Seq. ID	OJ990530_33.9924.C1
Gene No.	22182	Strand	-
Start	11027	End	16105
Name	OJ990530_33.9924.C1.o1.ts	Method	TBLASTX:Soybean
Start	741	End	1420
GI	none	Score	111
Exons	741..902, 932..1129, 934..1044, 1157..1420, 1162..1323		

Seq. No.	10477	Seq. ID	OJ990530_33.9924.C1
Gene No.	22182	Strand	-
Start	11027	End	16105
Name	OJ990530_33.9924.C1.o2.np	Method	AAT/NAP
Start	10904	End	16105
GI	6069646	Score	153
Exons	10904..11187, 11703..12073, 16029..16105		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	10477	Seq. ID	OJ990530_33.9924.C1
Gene No.	22182	Strand	-
Start	11027	End	16105
Name	OJ990530_33.9924.C1.o3.gs	Method	GENSCAN
Start	11027	End	11872
GI	none	Score	.6
Exons	11027..11127, 11791..11872		

Seq. No.	10477	Seq. ID	OJ990530_33.9924.C1
Gene No.	22182	Strand	-
Start	11027	End	16105
Name	OJ990530_33.9924.C1.o4.gs	Method	GENSCAN
Start	12821	End	14296
GI	none	Score	.56
Exons	12821..12997, 13161..13481, 13850..13919, 14178..14296		

Seq. No.	10478	Seq. ID	OJ990530_33.9924.C2
Gene No.	22183	Strand	+
Start	34	End	5207
Name	OJ990530_33.9924.C2.o1.gs	Method	GENSCAN
Start	34	End	5207
GI	none	Score	.44
Exons	34..76, 114..239, 904..1095, 1503..1640, 1694..1829, 1848..1908, 2161..2256, 2968..3060, 4950..5207		

Seq. No.	10478	Seq. ID	OJ990530_33.9924.C2
Gene No.	22184	Strand	-
Start	1	End	291
Name	OJ990530_33.9924.C2.o1.np	Method	AAT/NAP
Start	1	End	291
GI	6742729	Score	152
Exons	1..291		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	10478	Seq. ID	OJ990530_33.9924.C2

Gene No.	22185	Strand	-
Start	4081	End	4531
Name	OJ990530_33.9924.C2.o2.np	Method	AAT/NAP
Start	4081	End	4531
GI	1785701	Score	264
Exons	4081..4531		
GI Descrip.	(Y08501) orf154 [Arabidopsis thaliana]		

Seq. No.	10478	Seq. ID	OJ990530_33.9924.C2
Gene No.	22186	Strand	-
Start	7340	End	9207
Name	OJ990530_33.9924.C2.o1.tw	Method	TBLASTX:Wheat
Start	4165	End	4380
GI	none	Score	193
Exons	4165..4380		

Seq. No.	10478	Seq. ID	OJ990530_33.9924.C2
Gene No.	22186	Strand	-
Start	7340	End	9207
Name	OJ990530_33.9924.C2.o1.ts	Method	TBLASTX:Soybean
Start	4749	End	5201
GI	none	Score	228
Exons	4749..5063, 5142..5201		

Seq. No.	10478	Seq. ID	OJ990530_33.9924.C2
Gene No.	22186	Strand	-
Start	7340	End	9207
Name	OJ990530_33.9924.C2.o1.tm	Method	TBLASTX:Maize
Start	4791	End	5201
GI	none	Score	184
Exons	4791..5087, 5121..5201		

Seq. No.	10478	Seq. ID	OJ990530_33.9924.C2
Gene No.	22186	Strand	-
Start	7340	End	9207
Name	OJ990530_33.9924.C2.o2.gs	Method	GENSCAN
Start	7340	End	9207
GI	none	Score	.57
Exons	7340..7421, 8969..9207		

Seq. No.	10479	Seq. ID	OJ990530_33.9924.C3
Gene No.	22187	Strand	+
Start	1	End	20156
Name	OJ990530_33.9924.C3.o3.gp	Method	AAT/GAP
Start	1	End	20156
GI	LIB3477-003-P1-K1-E9	Score	119
Exons	1..19, 14679..14718, 20103..20156		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	10479	Seq. ID	OJ990530_33.9924.C3
Gene No.	22187	Strand	+
Start	1	End	20156
Name	OJ990530_33.9924.C3.o1.gs	Method	GENSCAN
Start	114	End	604
GI	none	Score	.84

Exons	114..133, 547..604		
Seq. No.	10479	Seq. ID	OJ990530_33.9924.C3
Gene No.	22187	Strand	+
Start	1	End	20156
Name	OJ990530_33.9924.C3.o6.gs	Method	GENSCAN
Start	18251	End	18574
GI	none	Score	.97
Exons	18251..18262, 18383..18574		
Seq. No.	10479	Seq. ID	OJ990530_33.9924.C3
Gene No.	22188	Strand	+
Start	22090	End	33323
Name	OJ990530_33.9924.C3.o8.gs	Method	GENSCAN
Start	22090	End	33323
GI	none	Score	.8
Exons	22090..22124, 22302..22381, 22648..22725, 24417..24520, 24917..25105, 26214..26465, 28305..28430, 30814..30978, 31638..31765, 32435..32537, 32817..33323		
Seq. No.	10479	Seq. ID	OJ990530_33.9924.C3
Gene No.	22188	Strand	+
Start	22090	End	33323
Name	OJ990530_33.9924.C3.o2.np	Method	AAT/NAP
Start	30115	End	32063
GI	4680186	Score	199
Exons	30115..30153, 31862..32063		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	10479	Seq. ID	OJ990530_33.9924.C3
Gene No.	22189	Strand	+
Start	33462	End	38576
Name	OJ990530_33.9924.C3.o9.gs	Method	GENSCAN
Start	33462	End	38576
GI	none	Score	.46
Exons	33462..33893, 34966..35089, 35814..36042, 36358..36433, 36509..36613, 37078..37090, 37284..37563, 38453..38576		
Seq. No.	10479	Seq. ID	OJ990530_33.9924.C3
Gene No.	22190	Strand	-
Start	1	End	96
Name	OJ990530_33.9924.C3.o1.gp	Method	AAT/GAP
Start	1	End	96
GI	uC-osflcyp172e09b1	Score	167
Exons	1..96		
GI Descrip.	'3176667 1.0e-17 (AC004393) Similar to hypothetical 41.9KD protein gb_1001369 from sequence of Synechocystis sp. gb_D64006. [Arabidopsis thaliana]'		
Seq. No.	10479	Seq. ID	OJ990530_33.9924.C3
Gene No.	22191	Strand	-
Start	607	End	4377
Name	OJ990530_33.9924.C3.o1.np	Method	AAT/NAP
Start	607	End	2286
GI	6539588	Score	223
Exons	607..646, 1975..2286		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	10479	Seq. ID	OJ990530_33.9924.C3
Gene No.	22191	Strand	-
Start	607	End	4377
Name	OJ990530_33.9924.C3.o2.gs	Method	GENSCAN
Start	996	End	4377
GI	none	Score	.49
Exons	996..1133, 1985..2257, 2779..2949, 3288..3506, 3835..3981, 4315..4377		

Seq. No.	10479	Seq. ID	OJ990530_33.9924.C3
Gene No.	22192	Strand	-
Start	6375	End	10291
Name	OJ990530_33.9924.C3.o3.gs	Method	GENSCAN
Start	6375	End	10291
GI	none	Score	.75
Exons	6375..6521, 6624..6865, 10243..10291		

Seq. No.	10479	Seq. ID	OJ990530_33.9924.C3
Gene No.	22193	Strand	-
Start	11491	End	13759
Name	OJ990530_33.9924.C3.o4.gs	Method	GENSCAN
Start	11491	End	13759
GI	none	Score	.63
Exons	11491..11616, 12204..12320, 13265..13406, 13578..13759		

Seq. No.	10479	Seq. ID	OJ990530_33.9924.C3
Gene No.	22194	Strand	-
Start	15488	End	17071
Name	OJ990530_33.9924.C3.o5.gs	Method	GENSCAN
Start	15488	End	17071
GI	none	Score	.61
Exons	15488..15657, 15890..16024, 16346..16542, 16741..16919, 16952..17071		

Seq. No.	10479	Seq. ID	OJ990530_33.9924.C3
Gene No.	22195	Strand	-
Start	19484	End	19919
Name	OJ990530_33.9924.C3.o7.gs	Method	GENSCAN
Start	19484	End	19919
GI	none	Score	.5
Exons	19484..19686, 19727..19919		

Seq. No.	10479	Seq. ID	OJ990530_33.9924.C3
Gene No.	22196	Strand	-
Start	32458	End	34077
Name	OJ990530_33.9924.C3.o3.np	Method	AAT/NAP
Start	32458	End	34077
GI	6907087	Score	527
Exons	32458..32559, 33103..34077		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	10479	Seq. ID	OJ990530_33.9924.C3
Gene No.	22197	Strand	-
Start	36402	End	38362

Name	OJ990530_33.9924.C3.o4.np	Method	AAT/NAP
Start	36402	End	38362
GI	6742729	Score	275
Exons	36402..36444, 37701..38362		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	10479	Seq. ID	OJ990530_33.9924.C3
Gene No.	22198	Strand	-
Start	39084	End	43202
Name	OJ990530_33.9924.C3.o1.tw	Method	TBLASTX:Wheat
Start	37805	End	41652
GI	none	Score	154
Exons	37805..37894, 37897..38154, 40948..41652, 41132..41416		

Seq. No.	10479	Seq. ID	OJ990530_33.9924.C3
Gene No.	22198	Strand	-
Start	39084	End	43202
Name	OJ990530_33.9924.C3.o1.tm	Method	TBLASTX:Maize
Start	37897	End	41617
GI	none	Score	117
Exons	37897..38115, 37897..38157, 38150..38191, 38192..38254, 41302..41616, 41306..41617		

Seq. No.	10479	Seq. ID	OJ990530_33.9924.C3
Gene No.	22198	Strand	-
Start	39084	End	43202
Name	OJ990530_33.9924.C3.o5.np	Method	AAT/NAP
Start	39084	End	43202
GI	4680203	Score	1160
Exons	39084..39116, 40911..41268, 41545..41775, 41935..42041, 42108..43202		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	10479	Seq. ID	OJ990530_33.9924.C3
Gene No.	22198	Strand	-
Start	39084	End	43202
Name	OJ990530_33.9924.C3.o10.gs	Method	GENSCAN
Start	39281	End	42466
GI	none	Score	.65
Exons	39281..39466, 39544..39636, 39738..39798, 39885..39995, 40076..40327, 40411..40687, 40743..41090, 41247..42132, 42149..42466		

Seq. No.	10479	Seq. ID	OJ990530_33.9924.C3
Gene No.	22198	Strand	-
Start	39084	End	43202
Name	OJ990530_33.9924.C3.o1.tc	Method	TBLASTX:Cress
Start	40948	End	41371
GI	none	Score	111
Exons	40948..41370, 41132..41371		

Seq. No.	10479	Seq. ID	OJ990530_33.9924.C3
Gene No.	22198	Strand	-
Start	39084	End	43202
Name	OJ990530_33.9924.C3.o3.tw	Method	TBLASTX:Wheat
Start	42288	End	42631
GI	none	Score	34

Exons	42288..42338, 42359..42445, 42363..42506, 42489..42587, 42491..42589, 42593..42631		
Seq. No.	10479	Seq. ID	OJ990530_33.9924.C3
Gene No.	22198	Strand	-
Start	39084	End	43202
Name	OJ990530_33.9924.C3.o2.tc	Method	TBLASTX:Cress
Start	42539	End	42859
GI	none	Score	269
Exons	42539..42859		
Seq. No.	10479	Seq. ID	OJ990530_33.9924.C3
Gene No.	22198	Strand	-
Start	39084	End	43202
Name	OJ990530_33.9924.C3.o2.tm	Method	TBLASTX:Maize
Start	42560	End	42797
GI	none	Score	131
Exons	42560..42763, 42560..42766, 42576..42797, 42585..42770		
Seq. No.	10479	Seq. ID	OJ990530_33.9924.C3
Gene No.	22198	Strand	-
Start	39084	End	43202
Name	OJ990530_33.9924.C3.o1.ts	Method	TBLASTX:Soybean
Start	42620	End	43019
GI	none	Score	98
Exons	42620..42868, 42639..42860, 42892..43014, 42897..43019		
Seq. No.	10479	Seq. ID	OJ990530_33.9924.C3
Gene No.	22198	Strand	-
Start	39084	End	43202
Name	OJ990530_33.9924.C3.o2.tw	Method	TBLASTX:Wheat
Start	42635	End	43187
GI	none	Score	61
Exons	42635..42763, 42755..42856, 42761..42856, 42877..43131, 42897..43187		
Seq. No.	10480	Seq. ID	OJ990530_33.9924.C5
Gene No.	22199	Strand	+
Start	1765	End	2358
Name	OJ990530_33.9924.C5.o1.gp	Method	AAT/GAP
Start	1765	End	2358
GI	4715762	Score	1050
Exons	1765..2358		
Seq. No.	10480	Seq. ID	OJ990530_33.9924.C5
Gene No.	22200	Strand	+
Start	6930	End	7085
Name	OJ990530_33.9924.C5.o2.gp	Method	AAT/GAP
Start	6930	End	7085
GI	2338_1.R1084	Score	190
Exons	6930..7085		
GI Descrip.	'5803242/dbj|AP000399.1|AP000399 2.0e-40 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		
Seq. No.	10480	Seq. ID	OJ990530_33.9924.C5
Gene No.	22201	Strand	+
Start	8166	End	17812

Name	OJ990530_33.9924.C5.o2.gs	Method	GENSCAN
Start	8166	End	17812
GI	none	Score	.49
Exons	8166..8315, 8967..9059, 9290..9374, 9484..9654, 9874..10282, 10380..10438, 10591..10796, 10980..11012, 11422..11538, 13602..13762, 13907..14005, 14324..14348, 17699..17812		

Seq. No.	10480	Seq. ID	OJ990530_33.9924.C5
Gene No.	22201	Strand	+
Start	8166	End	17812
Name	OJ990530_33.9924.C5.o1.np	Method	AAT/NAP
Start	9450	End	9674
GI	5669654	Score	76
Exons	9450..9674		
GI Descrip.	(AF096262) ER6 protein [Lycopersicon esculentum]		

Seq. No.	10480	Seq. ID	OJ990530_33.9924.C5
Gene No.	22202	Strand	-
Start	743	End	18721
Name	OJ990530_33.9924.C5.o1.gs	Method	GENSCAN
Start	743	End	7097
GI	none	Score	.68
Exons	743..775, 1781..2082, 2454..2560, 3026..3073, 4101..4201, 4364..4448, 4458..4507, 4657..4742, 4892..4985, 5276..5430, 7060..7097		

Seq. No.	10480	Seq. ID	OJ990530_33.9924.C5
Gene No.	22202	Strand	-
Start	743	End	18721
Name	OJ990530_33.9924.C5.o2.np	Method	AAT/NAP
Start	4722	End	18721
GI	1869859	Score	102
Exons	4722..5073, 9549..9620, 10590..10674, 18254..18721		
GI Descrip.	(Z86099) very large tegument protein [human herpesvirus 2]		

Seq. No.	10480	Seq. ID	OJ990530_33.9924.C5
Gene No.	22202	Strand	-
Start	743	End	18721
Name	OJ990530_33.9924.C5.o3.gs	Method	GENSCAN
Start	18321	End	18559
GI	none	Score	.87
Exons	18321..18559		

Seq. No.	10481	Seq. ID	OJ990530_33.9924.C6
Gene No.	22203	Strand	+
Start	161	End	3897
Name	OJ990530_33.9924.C6.o1.gs	Method	GENSCAN
Start	161	End	3897
GI	none	Score	.4
Exons	161..206, 550..687, 1231..1260, 2723..2798, 3837..3897		

Seq. No.	10481	Seq. ID	OJ990530_33.9924.C6
Gene No.	22204	Strand	-
Start	8185	End	12255
Name	OJ990530_33.9924.C6.o5.tw	Method	TBLASTX:Wheat
Start	8176	End	8392
GI	none	Score	123

Exons	8176..8391, 8177..8392		
Seq. No.	10481	Seq. ID	OJ990530_33.9924.C6
Gene No.	22204	Strand	-
Start	8185	End	12255
Name	OJ990530_33.9924.C6.o1.np	Method	AAT/NAP
Start	8185	End	12255
GI	3935164	Score	1862
Exons	8185..11600, 11730..11943, 12104..12255		
GI Descrip.	(AC004557) F17L21.7 [Arabidopsis thaliana]		
Seq. No.	10481	Seq. ID	OJ990530_33.9924.C6
Gene No.	22204	Strand	-
Start	8185	End	12255
Name	OJ990530_33.9924.C6.o4.tm	Method	TBLASTX:Maize
Start	8242	End	8538
GI	none	Score	103
Exons	8242..8538, 8243..8479, 8254..8538		
Seq. No.	10481	Seq. ID	OJ990530_33.9924.C6
Gene No.	22204	Strand	-
Start	8185	End	12255
Name	OJ990530_33.9924.C6.o1.ts	Method	TBLASTX:Soybean
Start	8245	End	8841
GI	none	Score	166
Exons	8245..8841, 8246..8650, 8714..8836		
Seq. No.	10481	Seq. ID	OJ990530_33.9924.C6
Gene No.	22204	Strand	-
Start	8185	End	12255
Name	OJ990530_33.9924.C6.o2.tm	Method	TBLASTX:Maize
Start	8544	End	9006
GI	none	Score	67
Exons	8544..8654, 8548..9006, 8549..8995		
Seq. No.	10481	Seq. ID	OJ990530_33.9924.C6
Gene No.	22204	Strand	-
Start	8185	End	12255
Name	OJ990530_33.9924.C6.o1.tw	Method	TBLASTX:Wheat
Start	8605	End	9036
GI	none	Score	58
Exons	8605..8874, 8606..8659, 8717..8899, 8872..9036, 8876..9028		
Seq. No.	10481	Seq. ID	OJ990530_33.9924.C6
Gene No.	22204	Strand	-
Start	8185	End	12255
Name	OJ990530_33.9924.C6.o3.tm	Method	TBLASTX:Maize
Start	9013	End	9370
GI	none	Score	41
Exons	9013..9054, 9017..9064, 9044..9370, 9055..9369		
Seq. No.	10481	Seq. ID	OJ990530_33.9924.C6
Gene No.	22204	Strand	-
Start	8185	End	12255
Name	OJ990530_33.9924.C6.o3.tw	Method	TBLASTX:Wheat
Start	9067	End	9502
GI	none	Score	104

Exons	9067..9171, 9157..9501, 9158..9502		
Seq. No.	10481	Seq. ID	OJ990530_33.9924.C6
Gene No.	22204	Strand	-
Start	8185	End	12255
Name	OJ990530_33.9924.C6.o2.ts	Method	TBLASTX:Soybean
Start	9172	End	9666
GI	5509260	Score	90
Exons	9172..9666, 9188..9343		
GI Descrip.	-		
Seq. No.	10481	Seq. ID	OJ990530_33.9924.C6
Gene No.	22204	Strand	-
Start	8185	End	12255
Name	OJ990530_33.9924.C6.o3.tc	Method	TBLASTX:Cress
Start	9283	End	9558
GI	none	Score	85
Exons	9283..9558, 9425..9535		
Seq. No.	10481	Seq. ID	OJ990530_33.9924.C6
Gene No.	22204	Strand	-
Start	8185	End	12255
Name	OJ990530_33.9924.C6.o6.tm	Method	TBLASTX:Maize
Start	9376	End	9622
GI	none	Score	152
Exons	9376..9621, 9383..9622, 9518..9622		
Seq. No.	10481	Seq. ID	OJ990530_33.9924.C6
Gene No.	22204	Strand	-
Start	8185	End	12255
Name	OJ990530_33.9924.C6.o2.np	Method	AAT/NAP
Start	10157	End	12255
GI	2352260	Score	181
Exons	10157..10175, 11717..12255		
GI Descrip.	(AF000949) keratin [Canis familiaris]		
Seq. No.	10481	Seq. ID	OJ990530_33.9924.C6
Gene No.	22204	Strand	-
Start	8185	End	12255
Name	OJ990530_33.9924.C6.o1.tc	Method	TBLASTX:Cress
Start	10228	End	10626
GI	none	Score	300
Exons	10228..10626		
Seq. No.	10481	Seq. ID	OJ990530_33.9924.C6
Gene No.	22204	Strand	-
Start	8185	End	12255
Name	OJ990530_33.9924.C6.o3.ts	Method	TBLASTX:Soybean
Start	10228	End	10686
GI	none	Score	269
Exons	10228..10686		
Seq. No.	10481	Seq. ID	OJ990530_33.9924.C6
Gene No.	22204	Strand	-
Start	8185	End	12255
Name	OJ990530_33.9924.C6.o2.tw	Method	TBLASTX:Wheat
Start	10228	End	10560

GI	none	Score	84
Exons	10228..10560, 10292..10447, 10296..10448		

Seq. No.	10481	Seq. ID	OJ990530_33.9924.C6
Gene No.	22204	Strand	-
Start	8185	End	12255
Name	OJ990530_33.9924.C6.o1.tm	Method	TBLASTX:Maize
Start	10235	End	10696
GI	none	Score	151
Exons	10235..10354, 10237..10614, 10239..10577, 10289..10633, 10589..10696, 10591..10692		

Seq. No.	10481	Seq. ID	OJ990530_33.9924.C6
Gene No.	22204	Strand	-
Start	8185	End	12255
Name	OJ990530_33.9924.C6.o7.tm	Method	TBLASTX:Maize
Start	10702	End	10980
GI	none	Score	50
Exons	10702..10797, 10723..10818, 10810..10977, 10810..10980		

Seq. No.	10481	Seq. ID	OJ990530_33.9924.C6
Gene No.	22204	Strand	-
Start	8185	End	12255
Name	OJ990530_33.9924.C6.o2.tc	Method	TBLASTX:Cress
Start	10786	End	11074
GI	none	Score	85
Exons	10786..10872, 10876..11067, 10877..11074		

Seq. No.	10481	Seq. ID	OJ990530_33.9924.C6
Gene No.	22204	Strand	-
Start	8185	End	12255
Name	OJ990530_33.9924.C6.o4.tw	Method	TBLASTX:Wheat
Start	10882	End	11331
GI	none	Score	45
Exons	10882..11001, 11029..11067, 11064..11108, 11146..11331, 11149..11268		

Seq. No.	10481	Seq. ID	OJ990530_33.9924.C6
Gene No.	22204	Strand	-
Start	8185	End	12255
Name	OJ990530_33.9924.C6.o5.tm	Method	TBLASTX:Maize
Start	10990	End	11307
GI	none	Score	55
Exons	10990..11067, 10991..11065, 11113..11307, 11135..11305		

Seq. No.	10482	Seq. ID	OJ990530_33.9924.C7
Gene No.	22205	Strand	-
Start	450	End	782
Name	OJ990530_33.9924.C7.o1.gs	Method	GENSCAN
Start	450	End	782
GI	none	Score	.85
Exons	450..520, 552..660, 675..782		

Seq. No.	10483	Seq. ID	OJ990530_33.9924.C8
Gene No.	22206	Strand	+
Start	1	End	429
Name	OJ990530_33.9924.C8.o1.np	Method	AAT/NAP

Start	1	End	429
GI	3269281	Score	285
Exons	1..429		
GI Descrip.	(AL030978) putative protein [Arabidopsis thaliana]		

Seq. No.	10483	Seq. ID	OJ990530_33.9924.C8
Gene No.	22207	Strand	+
Start	4044	End	9127
Name	OJ990530_33.9924.C8.o2.np	Method	AAT/NAP
Start	4044	End	9127
GI	6539588	Score	144
Exons	4044..4070, 4791..4852, 6389..6594, 8477..8547, 9097..9127		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	10483	Seq. ID	OJ990530_33.9924.C8
Gene No.	22207	Strand	+
Start	4044	End	9127
Name	OJ990530_33.9924.C8.o3.np	Method	AAT/NAP
Start	6637	End	8037
GI	2626948	Score	58
Exons	6637..6657, 7922..8037		
GI Descrip.	(D32052) NADH dehydrogenase subunit IV [Oryza sativa]		

Seq. No.	10483	Seq. ID	OJ990530_33.9924.C8
Gene No.	22208	Strand	-
Start	2027	End	6373
Name	OJ990530_33.9924.C8.o1.ts	Method	TBLASTX:Soybean
Start	57	End	333
GI	none	Score	185
Exons	57..260, 58..333		

Seq. No.	10483	Seq. ID	OJ990530_33.9924.C8
Gene No.	22208	Strand	-
Start	2027	End	6373
Name	OJ990530_33.9924.C8.o1.tm	Method	TBLASTX:Maize
Start	147	End	405
GI	none	Score	277
Exons	147..368, 148..405, 157..375		

Seq. No.	10483	Seq. ID	OJ990530_33.9924.C8
Gene No.	22208	Strand	-
Start	2027	End	6373
Name	OJ990530_33.9924.C8.o1.tw	Method	TBLASTX:Wheat
Start	186	End	402
GI	none	Score	187
Exons	186..401, 187..402		

Seq. No.	10483	Seq. ID	OJ990530_33.9924.C8
Gene No.	22208	Strand	-
Start	2027	End	6373
Name	OJ990530_33.9924.C8.o2.gs	Method	GENSCAN
Start	2027	End	6373
GI	none	Score	.48
Exons	2027..2143, 3929..4073, 4976..5094, 5767..5842, 5929..5972, 6248..6373		

Seq. No.	10484	Seq. ID	OJ990530_33.9924.C9

Gene No.	22209	Strand	+
Start	387	End	4206
Name	OJ990530_33.9924.C9.o1.gs	Method	GENSCAN
Start	387	End	2961
GI	none	Score	.51
Exons	387..435, 2099..2166, 2839..2961		

Seq. No.	10484	Seq. ID	OJ990530_33.9924.C9
Gene No.	22209	Strand	+
Start	387	End	4206
Name	OJ990530_33.9924.C9.o1.np	Method	AAT/NAP
Start	1668	End	4206
GI	4680186	Score	172
Exons	1668..1763, 3046..3203, 3773..4206		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	10484	Seq. ID	OJ990530_33.9924.C9
Gene No.	22210	Strand	-
Start	3501	End	4188
Name	OJ990530_33.9924.C9.o2.gs	Method	GENSCAN
Start	3501	End	4188
GI	none	Score	.48
Exons	3501..3701, 4090..4188		

Seq. No.	10485	Seq. ID	OJ990530_33.9924.C10
Gene No.	22211	Strand	+
Start	1	End	1605
Name	OJ990530_33.9924.C10.o1.np	Method	AAT/NAP
Start	1	End	1605
GI	6907086	Score	513
Exons	1..706, 758..1055, 1267..1605		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	10485	Seq. ID	OJ990530_33.9924.C10
Gene No.	22211	Strand	+
Start	1	End	1605
Name	OJ990530_33.9924.C10.o2.np	Method	AAT/NAP
Start	701	End	1516
GI	775215	Score	93
Exons	701..839, 889..1078, 1155..1516		
GI Descrip.	(U23857) EBNA1 [Herpesvirus papio]		

Seq. No.	10486	Seq. ID	OJ990530_33.9924.C11
Gene No.	22212	Strand	-
Start	1	End	374
Name	OJ990530_33.9924.C11.o1.np	Method	AAT/NAP
Start	1	End	374
GI	2498930	Score	122
Exons	1..57, 225..374		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	10486	Seq. ID	OJ990530_33.9924.C11
Gene No.	22212	Strand	-
Start	1	End	374
Name	OJ990530_33.9924.C11.o1.gs	Method	GENSCAN
Start	13	End	284

GI	none	Score	.92
Exons	13..57, 225..284		
Seq. No.	10487	Seq. ID	OJ990520_32.9922.C1
Gene No.	22213	Strand	-
Start	1	End	600
Name	OJ990520_32.9922.C1.o1.np	Method	AAT/NAP
Start	1	End	600
GI	2498930	Score	669
Exons	1..372, 540..600		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		
Seq. No.	10487	Seq. ID	OJ990520_32.9922.C1
Gene No.	22213	Strand	-
Start	1	End	600
Name	OJ990520_32.9922.C1.o1.gs	Method	GENSCAN
Start	70	End	599
GI	none	Score	.59
Exons	70..372, 540..599		
Seq. No.	10488	Seq. ID	OJ990520_32.9922.C2
Gene No.	22214	Strand	+
Start	5246	End	5730
Name	OJ990520_32.9922.C2.o3.gs	Method	GENSCAN
Start	5246	End	5730
GI	none	Score	.83
Exons	5246..5296, 5626..5730		
Seq. No.	10488	Seq. ID	OJ990520_32.9922.C2
Gene No.	22215	Strand	+
Start	11904	End	14187
Name	OJ990520_32.9922.C2.o6.gs	Method	GENSCAN
Start	11904	End	14187
GI	none	Score	.43
Exons	11904..11986, 12332..12453, 12870..13003, 13150..13388, 13470..13506, 13769..13960, 14068..14187		
Seq. No.	10488	Seq. ID	OJ990520_32.9922.C2
Gene No.	22216	Strand	+
Start	15935	End	18760
Name	OJ990520_32.9922.C2.o7.gs	Method	GENSCAN
Start	15935	End	18651
GI	none	Score	.8
Exons	15935..16007, 16736..17409, 17477..17701, 17785..18651		
Seq. No.	10488	Seq. ID	OJ990520_32.9922.C2
Gene No.	22216	Strand	+
Start	15935	End	18760
Name	OJ990520_32.9922.C2.o3.np	Method	AAT/NAP
Start	16738	End	18760
GI	4559347	Score	729
Exons	16738..17409, 17480..17701, 17785..17970, 18253..18427, 18698..18760		
GI Descrip.	(AC006585) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	10488	Seq. ID	OJ990520_32.9922.C2

Gene No.	22217	Strand	-
Start	2687	End	3190
Name	OJ990520_32.9922.C2.o2.gs	Method	GENSCAN
Start	2687	End	3190
GI	none	Score	.95
Exons	2687..3190		

Seq. No.	10488	Seq. ID	OJ990520_32.9922.C2
Gene No.	22218	Strand	-
Start	7259	End	13785
Name	OJ990520_32.9922.C2.o4.gs	Method	GENSCAN
Start	7259	End	7622
GI	none	Score	.81
Exons	7259..7321, 7405..7501, 7555..7622		

Seq. No.	10488	Seq. ID	OJ990520_32.9922.C2
Gene No.	22218	Strand	-
Start	7259	End	13785
Name	OJ990520_32.9922.C2.o1.np	Method	AAT/NAP
Start	7317	End	13785
GI	6691191	Score	2773
Exons	7317..10258, 13700..13785		
GI Descrip.	(AC007534) F7F22.15 [Arabidopsis thaliana]		

Seq. No.	10488	Seq. ID	OJ990520_32.9922.C2
Gene No.	22218	Strand	-
Start	7259	End	13785
Name	OJ990520_32.9922.C2.o2.ts	Method	TBLASTX:Soybean
Start	7375	End	7902
GI	none	Score	128
Exons	7375..7428, 7414..7500, 7513..7902, 7661..7879		

Seq. No.	10488	Seq. ID	OJ990520_32.9922.C2
Gene No.	22218	Strand	-
Start	7259	End	13785
Name	OJ990520_32.9922.C2.o3.tw	Method	TBLASTX:Wheat
Start	7510	End	7896
GI	none	Score	123
Exons	7510..7890, 7540..7896, 7749..7895		

Seq. No.	10488	Seq. ID	OJ990520_32.9922.C2
Gene No.	22218	Strand	-
Start	7259	End	13785
Name	OJ990520_32.9922.C2.o4.ts	Method	TBLASTX:Soybean
Start	7903	End	8216
GI	none	Score	95
Exons	7903..8106, 7904..8110, 8092..8178, 8103..8177, 8175..8216, 8176..8214		

Seq. No.	10488	Seq. ID	OJ990520_32.9922.C2
Gene No.	22218	Strand	-
Start	7259	End	13785
Name	OJ990520_32.9922.C2.o6.tw	Method	TBLASTX:Wheat
Start	7912	End	8211
GI	none	Score	47
Exons	7912..8082, 8006..8080, 8103..8210, 8104..8211		

Seq. No.	10488	Seq. ID	OJ990520_32.9922.C2
Gene No.	22218	Strand	-
Start	7259	End	13785
Name	OJ990520_32.9922.C2.o5.gs	Method	GENSCAN
Start	8130	End	11600
GI	none	Score	.78
Exons	8130..8289, 8305..9510, 9541..10828, 10869..10985, 11064..11248, 11389..11600		

Seq. No.	10488	Seq. ID	OJ990520_32.9922.C2
Gene No.	22218	Strand	-
Start	7259	End	13785
Name	OJ990520_32.9922.C2.o1.tc	Method	TBLASTX:Cress
Start	8238	End	8621
GI	none	Score	72
Exons	8238..8531, 8239..8532, 8544..8621		

Seq. No.	10488	Seq. ID	OJ990520_32.9922.C2
Gene No.	22218	Strand	-
Start	7259	End	13785
Name	OJ990520_32.9922.C2.o5.tw	Method	TBLASTX:Wheat
Start	8334	End	8804
GI	none	Score	86
Exons	8334..8537, 8541..8612, 8619..8804, 8676..8801, 8677..8802		

Seq. No.	10488	Seq. ID	OJ990520_32.9922.C2
Gene No.	22218	Strand	-
Start	7259	End	13785
Name	OJ990520_32.9922.C2.o5.ts	Method	TBLASTX:Soybean
Start	8660	End	8798
GI	none	Score	118
Exons	8660..8755, 8664..8798, 8665..8784, 8682..8798		

Seq. No.	10488	Seq. ID	OJ990520_32.9922.C2
Gene No.	22218	Strand	-
Start	7259	End	13785
Name	OJ990520_32.9922.C2.o4.tw	Method	TBLASTX:Wheat
Start	8816	End	9129
GI	none	Score	191
Exons	8816..9124, 8817..9119, 8817..9128, 8944..9129		

Seq. No.	10488	Seq. ID	OJ990520_32.9922.C2
Gene No.	22218	Strand	-
Start	7259	End	13785
Name	OJ990520_32.9922.C2.o1.tm	Method	TBLASTX:Maize
Start	8841	End	9389
GI	none	Score	44
Exons	8841..8984, 8976..9389, 8983..9069, 9151..9297		

Seq. No.	10488	Seq. ID	OJ990520_32.9922.C2
Gene No.	22218	Strand	-
Start	7259	End	13785
Name	OJ990520_32.9922.C2.o3.ts	Method	TBLASTX:Soybean
Start	8910	End	9263
GI	none	Score	87
Exons	8910..9197, 8965..9198, 9198..9263, 9199..9255		

Seq. No.	10488	Seq. ID	OJ990520_32.9922.C2
Gene No.	22218	Strand	-
Start	7259	End	13785
Name	OJ990520_32.9922.C2.o1.tw	Method	TBLASTX:Wheat
Start	9129	End	9554
GI	none	Score	228
Exons	9129..9554, 9154..9420, 9165..9533, 9502..9552		

Seq. No.	10488	Seq. ID	OJ990520_32.9922.C2
Gene No.	22218	Strand	-
Start	7259	End	13785
Name	OJ990520_32.9922.C2.o2.tm	Method	TBLASTX:Maize
Start	9405	End	9767
GI	none	Score	217
Exons	9405..9767		

Seq. No.	10488	Seq. ID	OJ990520_32.9922.C2
Gene No.	22218	Strand	-
Start	7259	End	13785
Name	OJ990520_32.9922.C2.o1.ts	Method	TBLASTX:Soybean
Start	9629	End	10052
GI	none	Score	161
Exons	9629..9763, 9630..10052, 9637..9939		

Seq. No.	10488	Seq. ID	OJ990520_32.9922.C2
Gene No.	22218	Strand	-
Start	7259	End	13785
Name	OJ990520_32.9922.C2.o2.tw	Method	TBLASTX:Wheat
Start	9651	End	10053
GI	none	Score	38
Exons	9651..10052, 9652..9705, 9760..9939, 10006..10053		

Seq. No.	10489	Seq. ID	OJ990520_32.9922.C5
Gene No.	22219	Strand	+
Start	1	End	10549
Name	OJ990520_32.9922.C5.o1.np	Method	AAT/NAP
Start	1	End	1320
GI	4559347	Score	222
Exons	1..274, 1007..1320		
GI Descrip.	(AC006585) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	10489	Seq. ID	OJ990520_32.9922.C5
Gene No.	22219	Strand	+
Start	1	End	10549
Name	OJ990520_32.9922.C5.o1.gs	Method	GENSCAN
Start	667	End	10549
GI	none	Score	.6
Exons	667..1313, 1483..1606, 1962..2033, 3948..4046, 4157..4198, 4503..4553, 4637..4718, 5101..5190, 5837..5952, 6081..6130, 7969..8124, 8815..8884, 9205..9321, 9698..9766, 10466..10549		

Seq. No.	10489	Seq. ID	OJ990520_32.9922.C5
Gene No.	22219	Strand	+
Start	1	End	10549
Name	OJ990520_32.9922.C5.o3.np	Method	AAT/NAP
Start	8039	End	8288
GI	2244784	Score	56

Exons	8039..8288		
GI Descrip.	(Z97335) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	10489	Seq. ID	OJ990520_32.9922.C5
Gene No.	22220	Strand	+
Start	11802	End	15016
Name	OJ990520_32.9922.C5.o4.np	Method	AAT/NAP
Start	11802	End	15016
GI	6498436	Score	61
Exons	11802..11828, 13570..13830, 14920..15016		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		
Seq. No.	10489	Seq. ID	OJ990520_32.9922.C5
Gene No.	22221	Strand	+
Start	19160	End	20025
Name	OJ990520_32.9922.C5.o1.gp	Method	AAT/GAP
Start	19160	End	19929
GI	10994_1.R1084	Score	888
Exons	19160..19364, 19521..19596, 19718..19929		
GI Descrip.	'4467145/emb|CAB37514| 7.0e-29 (AL035540) farnesylated protein (ATFP6) [Arabidopsis thaliana]'		
Seq. No.	10489	Seq. ID	OJ990520_32.9922.C5
Gene No.	22221	Strand	+
Start	19160	End	20025
Name	OJ990520_32.9922.C5.o5.np	Method	AAT/NAP
Start	19335	End	20025
GI	4097573	Score	448
Exons	19335..19364, 19521..19596, 19718..20025		
GI Descrip.	(U64917) GMFP7 [Glycine max]		
Seq. No.	10489	Seq. ID	OJ990520_32.9922.C5
Gene No.	22222	Strand	+
Start	26102	End	26874
Name	OJ990520_32.9922.C5.o4.gs	Method	GENSCAN
Start	26102	End	26874
GI	none	Score	.79
Exons	26102..26260, 26525..26668, 26686..26874		
Seq. No.	10489	Seq. ID	OJ990520_32.9922.C5
Gene No.	22223	Strand	+
Start	28977	End	29420
Name	OJ990520_32.9922.C5.o5.gp	Method	AAT/GAP
Start	28977	End	29420
GI	uC-osroM202031a12b1	Score	830
Exons	28977..29420		
GI Descrip.	'3879119/emb|CAA94368.1| 2.0e-17 (Z70310) similar to Glutathione S-transferases.; cDNA EST yk536e7.3 comes from this gene [Caenorhabditis elegans]'		
Seq. No.	10489	Seq. ID	OJ990520_32.9922.C5
Gene No.	22224	Strand	-
Start	20003	End	20345
Name	OJ990520_32.9922.C5.o2.gp	Method	AAT/GAP
Start	20003	End	20345
GI	uC-osroM202016a12a1	Score	627
Exons	20003..20345		

GI Descrip.	'6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		
Seq. No.	10489	Seq. ID	OJ990520_32.9922.C5
Gene No.	22225	Strand	-
Start	24049	End	36050
Name	OJ990520_32.9922.C5.o3.gs	Method	GENSCAN
Start	24049	End	24715
GI	none	Score	.96
Exons	24049..24627, 24632..24715		
Seq. No.	10489	Seq. ID	OJ990520_32.9922.C5
Gene No.	22225	Strand	-
Start	24049	End	36050
Name	OJ990520_32.9922.C5.o6.np	Method	AAT/NAP
Start	24376	End	35595
GI	5852180	Score	371
Exons	24376..24748, 25778..25868, 35562..35595		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		
Seq. No.	10489	Seq. ID	OJ990520_32.9922.C5
Gene No.	22225	Strand	-
Start	24049	End	36050
Name	OJ990520_32.9922.C5.o4.gp	Method	AAT/GAP
Start	26137	End	26442
GI	61605_3.R1084	Score	439
Exons	26137..26442		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		
Seq. No.	10489	Seq. ID	OJ990520_32.9922.C5
Gene No.	22225	Strand	-
Start	24049	End	36050
Name	OJ990520_32.9922.C5.o5.gs	Method	GENSCAN
Start	27490	End	32509
GI	none	Score	.6
Exons	27490..27606, 29444..29521, 30272..30341, 31371..31450, 31527..31645, 32130..32208, 32471..32509		
Seq. No.	10489	Seq. ID	OJ990520_32.9922.C5
Gene No.	22225	Strand	-
Start	24049	End	36050
Name	OJ990520_32.9922.C5.o7.np	Method	AAT/NAP
Start	29298	End	36034
GI	6560732	Score	422
Exons	29298..29363, 29444..29503, 30254..30341, 31371..31450, 31527..31645, 32127..32273, 35276..35342, 35430..35630, 35698..36034		
GI Descrip.	(AF209069) hypothetical protein [Homo sapiens]		
Seq. No.	10489	Seq. ID	OJ990520_32.9922.C5
Gene No.	22225	Strand	-
Start	24049	End	36050
Name	OJ990520_32.9922.C5.o6.gs	Method	GENSCAN
Start	34348	End	35964
GI	none	Score	.49
Exons	34348..34601, 35276..35342, 35430..35630, 35698..35964		

Seq. No.	10489	Seq. ID	OJ990520_32.9922.C5
Gene No.	22225	Strand	-
Start	24049	End	36050
Name	OJ990520_32.9922.C5.o6.gp	Method	AAT/GAP
Start	35464	End	36050
GI	26088_1.R1084	Score	1020
Exons	35464..35630, 35698..36050		
GI Descrip.	'3879119/emb|CAA94368.1| 2.0e-17 (Z70310) similar to Glutathione S-transferases.; cDNA EST yk536e7.3 comes from this gene [Caenorhabditis elegans]'		

Seq. No.	10489	Seq. ID	OJ990520_32.9922.C5
Gene No.	22226	Strand	-
Start	37183	End	50292
Name	OJ990520_32.9922.C5.o4.ts	Method	TBLASTX:Soybean
Start	3958	End	5186
GI	none	Score	89
Exons	3958..4047, 3958..4047, 4154..4198, 4162..4206, 4286..4405, 4314..4403, 4331..4417, 4503..4556, 4634..4723, 4645..4719, 5099..5182, 5100..5186		

Seq. No.	10489	Seq. ID	OJ990520_32.9922.C5
Gene No.	22226	Strand	-
Start	37183	End	50292
Name	OJ990520_32.9922.C5.o1.tw	Method	TBLASTX:Wheat
Start	6584	End	28227
GI	none	Score	84
Exons	6584..6808, 6584..6901, 27872..27919, 27882..28034, 27923..27988, 28081..28137, 28150..28227		

Seq. No.	10489	Seq. ID	OJ990520_32.9922.C5
Gene No.	22226	Strand	-
Start	37183	End	50292
Name	OJ990520_32.9922.C5.o6.ts	Method	TBLASTX:Soybean
Start	7246	End	7728
GI	none	Score	41
Exons	7246..7329, 7321..7353, 7325..7354, 7399..7728, 7427..7612		

Seq. No.	10489	Seq. ID	OJ990520_32.9922.C5
Gene No.	22226	Strand	-
Start	37183	End	50292
Name	OJ990520_32.9922.C5.o3.tm	Method	TBLASTX:Maize
Start	7343	End	7660
GI	none	Score	240
Exons	7343..7660, 7348..7656, 7430..7657		

Seq. No.	10489	Seq. ID	OJ990520_32.9922.C5
Gene No.	22226	Strand	-
Start	37183	End	50292
Name	OJ990520_32.9922.C5.o1.tm	Method	TBLASTX:Maize
Start	19269	End	20028
GI	none	Score	141
Exons	19269..19370, 19284..19364, 19310..19372, 19514..19597, 19515..19598, 19716..20027, 19717..20028		

Seq. No.	10489	Seq. ID	OJ990520_32.9922.C5

Gene No.	22226	Strand	-
Start	37183	End	50292
Name	OJ990520_32.9922.C5.o1.tc	Method	TBLASTX:Cress
Start	19514	End	20028
GI	none	Score	111
Exons	19514..19597, 19518..19598, 19716..19925, 19717..19923, 19924..20028, 19965..20027		

Seq. No.	10489	Seq. ID	OJ990520_32.9922.C5
Gene No.	22226	Strand	-
Start	37183	End	50292
Name	OJ990520_32.9922.C5.o1.ts	Method	TBLASTX:Soybean
Start	19514	End	20037
GI	none	Score	119
Exons	19514..19597, 19515..19598, 19716..20030, 19717..20037		

Seq. No.	10489	Seq. ID	OJ990520_32.9922.C5
Gene No.	22226	Strand	-
Start	37183	End	50292
Name	OJ990520_32.9922.C5.o2.tw	Method	TBLASTX:Wheat
Start	29302	End	31620
GI	none	Score	67
Exons	29302..29352, 29310..29381, 29311..29385, 29312..29383, 29319..29390, 29436..29528, 29442..29516, 29444..29527, 30272..30343, 30273..30386, 30274..30345, 30275..30346, 31343..31450, 31367..31435, 31371..31451, 31378..31452, 31520..31618, 31525..31620, 31527..31619		

Seq. No.	10489	Seq. ID	OJ990520_32.9922.C5
Gene No.	22226	Strand	-
Start	37183	End	50292
Name	OJ990520_32.9922.C5.o5.ts	Method	TBLASTX:Soybean
Start	35272	End	35516
GI	none	Score	93
Exons	35272..35343, 35274..35342, 35430..35516, 35431..35460		

Seq. No.	10489	Seq. ID	OJ990520_32.9922.C5
Gene No.	22226	Strand	-
Start	37183	End	50292
Name	OJ990520_32.9922.C5.o4.tm	Method	TBLASTX:Maize
Start	35428	End	35776
GI	none	Score	122
Exons	35428..35532, 35430..35540, 35430..35549, 35431..35544, 35541..35630, 35547..35630, 35692..35769, 35699..35776		

Seq. No.	10489	Seq. ID	OJ990520_32.9922.C5
Gene No.	22226	Strand	-
Start	37183	End	50292
Name	OJ990520_32.9922.C5.o7.gs	Method	GENSCAN
Start	37183	End	46715
GI	none	Score	.8
Exons	37183..37251, 37455..37590, 38267..38389, 38849..38957, 39071..39238, 41331..41425, 42306..42381, 42513..42647, 46391..46715		

Seq. No.	10489	Seq. ID	OJ990520_32.9922.C5
Gene No.	22226	Strand	-

Start	37183	End	50292
Name	OJ990520_32.9922.C5.o8.np	Method	AAT/NAP
Start	38766	End	50292
GI	6065850	Score	265
Exons	38766..38958, 39066..39235, 41316..41425, 42306..42647, 46391..46467, 50235..50292		
GI Descrip.	(AJ250309) hypothetical protein [Drosophila erecta]		

Seq. No.	10489	Seq. ID	OJ990520_32.9922.C5
Gene No.	22226	Strand	-
Start	37183	End	50292
Name	OJ990520_32.9922.C5.o2.tc	Method	TBLASTX:Cress
Start	38776	End	38959
GI	none	Score	157
Exons	38776..38958, 38777..38959		

Seq. No.	10489	Seq. ID	OJ990520_32.9922.C5
Gene No.	22226	Strand	-
Start	37183	End	50292
Name	OJ990520_32.9922.C5.o2.tm	Method	TBLASTX:Maize
Start	38800	End	41434
GI	none	Score	193
Exons	38800..38958, 38800..38958, 38801..38959, 39065..39181, 39069..39236, 39069..39239, 39070..39240, 41326..41427, 41326..41370, 41339..41434, 41342..41434		

Seq. No.	10489	Seq. ID	OJ990520_32.9922.C5
Gene No.	22226	Strand	-
Start	37183	End	50292
Name	OJ990520_32.9922.C5.o2.ts	Method	TBLASTX:Soybean
Start	38833	End	39221
GI	none	Score	148
Exons	38833..38958, 38834..38959, 39069..39221, 39070..39216		

Seq. No.	10489	Seq. ID	OJ990520_32.9922.C5
Gene No.	22226	Strand	-
Start	37183	End	50292
Name	OJ990520_32.9922.C5.o7.gp	Method	AAT/GAP
Start	38899	End	42572
GI	2311840	Score	799
Exons	38899..38957, 39071..39238, 41331..41425, 42306..42381, 42513..42572		
GI Descrip.	3879119/emb|CAA94368.1| 2.0e-17 (Z70310) similar to Glutathione S-transferases.; cDNA EST yk536e7.3 comes from this gene [Caenorhabditis elegans]		

Seq. No.	10489	Seq. ID	OJ990520_32.9922.C5
Gene No.	22226	Strand	-
Start	37183	End	50292
Name	OJ990520_32.9922.C5.o3.tc	Method	TBLASTX:Cress
Start	39096	End	42618
GI	none	Score	162
Exons	39096..39239, 39097..39246, 41303..41428, 41324..41425, 41326..41433, 41326..41433, 42514..42618, 42515..42589		

Seq. No.	10489	Seq. ID	OJ990520_32.9922.C5
Gene No.	22226	Strand	-

Start	37183	End	50292
Name	OJ990520_32.9922.C5.o3.ts	Method	TBLASTX:Soybean
Start	41303	End	46508
GI	none	Score	104
Exons	41303..41449, 41326..41433, 42302..42382, 42505..42654, 42515..42649, 46395..46508		

Seq. No.	10489	Seq. ID	OJ990520_32.9922.C5
Gene No.	22226	Strand	-
Start	37183	End	50292
Name	OJ990520_32.9922.C5.o5.tm	Method	TBLASTX:Maize
Start	42302	End	46724
GI	none	Score	152
Exons	42302..42382, 42303..42383, 42496..42654, 42513..42650, 46381..46458, 46392..46529, 46473..46550, 46495..46554, 46668..46724		

Seq. No.	10489	Seq. ID	OJ990520_32.9922.C5
Gene No.	22226	Strand	-
Start	37183	End	50292
Name	OJ990520_32.9922.C5.o8.gs	Method	GENSCAN
Start	47379	End	49596
GI	none	Score	.46
Exons	47379..47554, 48170..48295, 49458..49596		

Seq. No.	10490	Seq. ID	OJ990520_32.9922.C7
Gene No.	22227	Strand	+
Start	82	End	621
Name	OJ990520_32.9922.C7.o1.np	Method	AAT/NAP
Start	82	End	618
GI	4097573	Score	438
Exons	82..189, 311..618		
GI Descrip.	(U64917) GMFP7 [Glycine max]		

Seq. No.	10490	Seq. ID	OJ990520_32.9922.C7
Gene No.	22227	Strand	+
Start	82	End	621
Name	OJ990520_32.9922.C7.o1.gp	Method	AAT/GAP
Start	109	End	522
GI	10994_1.R1084	Score	491
Exons	109..189, 311..522		
GI Descrip.	'4467145/emb|CAB37514| 7.0e-29 (AL035540) farnesylated protein (ATFP6) [Arabidopsis thaliana]'		

Seq. No.	10490	Seq. ID	OJ990520_32.9922.C7
Gene No.	22227	Strand	+
Start	82	End	621
Name	OJ990520_32.9922.C7.o1.gs	Method	GENSCAN
Start	114	End	621
GI	none	Score	.91
Exons	114..189, 311..621		

Seq. No.	10490	Seq. ID	OJ990520_32.9922.C7
Gene No.	22228	Strand	-
Start	596	End	969
Name	OJ990520_32.9922.C7.o1.tc	Method	TBLASTX:Cress
Start	107	End	621

GI	none	Score	111
Exons	107..190, 111..191, 309..518,	310..516,	516..620, 517..621

Seq. No.	10490	Seq. ID	OJ990520_32.9922.C7
Gene No.	22228	Strand	-
Start	596	End	969
Name	OJ990520_32.9922.C7.o1.ts	Method	TBLASTX:Soybean
Start	107	End	630
GI	none	Score	119
Exons	107..190, 108..191, 309..623,	310..630	

Seq. No.	10490	Seq. ID	OJ990520_32.9922.C7
Gene No.	22228	Strand	-
Start	596	End	969
Name	OJ990520_32.9922.C7.o1.tm	Method	TBLASTX:Maize
Start	107	End	638
GI	none	Score	136
Exons	107..190, 108..191, 309..620,	310..621,	585..638

Seq. No.	10490	Seq. ID	OJ990520_32.9922.C7
Gene No.	22228	Strand	-
Start	596	End	969
Name	OJ990520_32.9922.C7.o2.gp	Method	AAT/GAP
Start	596	End	969
GI	uC-osroM202016a12a1	Score	596
Exons	596..722, 754..969		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	10491	Seq. ID	OJ990430_35.9922.C1
Gene No.	22229	Strand	+
Start	398	End	509
Name	OJ990430_35.9922.C1.o1.tm	Method	TBLASTX:Maize
Start	397	End	508
GI	none	Score	206
Exons	397..507, 398..508		

Seq. No.	10491	Seq. ID	OJ990430_35.9922.C1
Gene No.	22229	Strand	+
Start	398	End	509
Name	OJ990430_35.9922.C1.o1.tw	Method	TBLASTX:Wheat
Start	397	End	509
GI	none	Score	209
Exons	397..507, 398..508, 399..509		

Seq. No.	10491	Seq. ID	OJ990430_35.9922.C1
Gene No.	22229	Strand	+
Start	398	End	509
Name	OJ990430_35.9922.C1.o1.np	Method	AAT/NAP
Start	398	End	509
GI	4584347	Score	143
Exons	398..509		
GI Descrip.	(AC007127) unknown protein [Arabidopsis thaliana]		

Seq. No.	10492	Seq. ID	OJ990430_35.9922.C2
Gene No.	22230	Strand	+
Start	1	End	910

Name	OJ990430_35.9922.C2.o1.np	Method	AAT/NAP
Start	1	End	910
GI	2498930	Score	413
Exons	1..21, 461..521, 690..910		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	10492	Seq. ID	OJ990430_35.9922.C2
Gene No.	22230	Strand	+
Start	1	End	910
Name	OJ990430_35.9922.C2.o1.gs	Method	GENSCAN
Start	403	End	887
GI	none	Score	.81
Exons	403..521, 690..887		

Seq. No.	10493	Seq. ID	OJ990430_35.9922.C3
Gene No.	22231	Strand	-
Start	1	End	126
Name	OJ990430_35.9922.C3.o1.gp	Method	AAT/GAP
Start	1	End	126
GI	none	Score	244
Exons	1..126		

Seq. No.	10494	Seq. ID	OJ990430_35.9922.C4
Gene No.	22232	Strand	+
Start	1772	End	3454
Name	OJ990430_35.9922.C4.o1.gs	Method	GENSCAN
Start	1772	End	3454
GI	none	Score	.82
Exons	1772..1832, 2886..3454		

Seq. No.	10494	Seq. ID	OJ990430_35.9922.C4
Gene No.	22233	Strand	-
Start	1	End	3169
Name	OJ990430_35.9922.C4.o1.gp	Method	AAT/GAP
Start	1	End	742
GI	70950_1.R1084	Score	506
Exons	1..82, 170..277, 511..607, 698..742		
GI Descrip.	'2864616/emb|CAA16963| 1.0e-24 (AL021811) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	10494	Seq. ID	OJ990430_35.9922.C4
Gene No.	22233	Strand	-
Start	1	End	3169
Name	OJ990430_35.9922.C4.o1.np	Method	AAT/NAP
Start	1	End	3151
GI	2864616	Score	287
Exons	1..82, 170..277, 1570..1738, 2986..3151		
GI Descrip.	(AL021811) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	10494	Seq. ID	OJ990430_35.9922.C4
Gene No.	22233	Strand	-
Start	1	End	3169
Name	OJ990430_35.9922.C4.o2.tm	Method	TBLASTX:Maize
Start	22	End	884
GI	none	Score	51
Exons	22..60, 30..59, 160..258, 168..275, 168..272, 170..289,		

170..277, 508..555, 509..565, 510..620, 535..609, 666..746,
690..743, 697..744, 703..783, 824..874, 825..884, 826..882

Seq. No.	10494	Seq. ID	OJ990430_35.9922.C4
Gene No.	22233	Strand	-
Start	1	End	3169
Name	OJ990430_35.9922.C4.o1.ts	Method	TBLASTX:Soybean
Start	885	End	3076
GI	none	Score	76
Exons	885..959, 892..960, 1334..1459, 1339..1467, 1352..1477, 1567..1632, 1657..1734, 2065..2151, 2072..2152, 2993..3067, 3002..3076		

Seq. No.	10494	Seq. ID	OJ990430_35.9922.C4
Gene No.	22233	Strand	-
Start	1	End	3169
Name	OJ990430_35.9922.C4.o1.tm	Method	TBLASTX:Maize
Start	1334	End	3169
GI	none	Score	203
Exons	1334..1468, 1334..1465, 1336..1467, 1567..1734, 1568..1783, 2065..2169, 2072..2149, 3001..3075, 3002..3076, 3002..3169		

Seq. No.	10495	Seq. ID	OJ990430_35.9922.C5
Gene No.	22234	Strand	-
Start	35	End	689
Name	OJ990430_35.9922.C5.o1.gs	Method	GENSCAN
Start	35	End	689
GI	none	Score	.72
Exons	35..161, 601..689		

Seq. No.	10496	Seq. ID	OJ990430_35.9922.C6
Gene No.	22235	Strand	-
Start	1041	End	1592
Name	OJ990430_35.9922.C6.o1.gs	Method	GENSCAN
Start	1041	End	1592
GI	none	Score	.59
Exons	1041..1592		

Seq. No.	10497	Seq. ID	OJ990430_35.9922.C7
Gene No.	22236	Strand	-
Start	58	End	175
Name	OJ990430_35.9922.C7.o1.gs	Method	GENSCAN
Start	58	End	175
GI	none	Score	.53
Exons	58..175		

Seq. No.	10498	Seq. ID	OJ990430_35.9922.C8
Gene No.	22237	Strand	+
Start	57	End	4855
Name	OJ990430_35.9922.C8.o1.gs	Method	GENSCAN
Start	57	End	4855
GI	none	Score	.41
Exons	57..164, 1708..1810, 2427..2608, 3162..3459, 3481..3552, 3865..4134, 4817..4855		

Seq. No.	10498	Seq. ID	OJ990430_35.9922.C8
Gene No.	22238	Strand	-

Start	1	End	7272
Name	OJ990430_35.9922.C8.o2.np	Method	AAT/NAP
Start	1	End	7272
GI	5042454	Score	233
Exons	1..94, 6635..6728, 7141..7272		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	10498	Seq. ID	OJ990430_35.9922.C8
Gene No.	22238	Strand	-
Start	1	End	7272
Name	OJ990430_35.9922.C8.o1.np	Method	AAT/NAP
Start	2314	End	3408
GI	6539570	Score	143
Exons	2314..2373, 2559..2718, 3367..3408		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	10498	Seq. ID	OJ990430_35.9922.C8
Gene No.	22238	Strand	-
Start	1	End	7272
Name	OJ990430_35.9922.C8.o2.gs	Method	GENSCAN
Start	6197	End	7001
GI	none	Score	.4
Exons	6197..6304, 6658..6746, 6950..7001		

Seq. No.	10499	Seq. ID	OJ990430_35.9922.C9
Gene No.	22239	Strand	+
Start	383	End	1143
Name	OJ990430_35.9922.C9.o1.gs	Method	GENSCAN
Start	383	End	1143
GI	none	Score	.7
Exons	383..411, 719..903, 950..1143		

Seq. No.	10499	Seq. ID	OJ990430_35.9922.C9
Gene No.	22240	Strand	+
Start	7806	End	18574
Name	OJ990430_35.9922.C9.o1.gp	Method	AAT/GAP
Start	7669	End	8149
GI	2311730	Score	722
Exons	7669..8041, 8125..8149		

Seq. No.	10499	Seq. ID	OJ990430_35.9922.C9
Gene No.	22240	Strand	+
Start	7806	End	18574
Name	OJ990430_35.9922.C9.o3.gs	Method	GENSCAN
Start	7806	End	11971
GI	none	Score	.75
Exons	7806..8040, 8192..8816, 9561..9643, 11169..11971		

Seq. No.	10499	Seq. ID	OJ990430_35.9922.C9
Gene No.	22240	Strand	+
Start	7806	End	18574
Name	OJ990430_35.9922.C9.o2.np	Method	AAT/NAP
Start	8186	End	18509
GI	4836931	Score	765
Exons	8186..8536, 8726..8816, 9561..9643, 9914..10002, 10161..10234, 10322..10372, 10599..10675, 11169..11416, 15035..15143, 18483..18509		

GI Descrip. (AC006085) Hypothetical protein [Arabidopsis thaliana]

Seq. No.	10499	Seq. ID	OJ990430_35.9922.C9
Gene No.	22240	Strand	+
Start	7806	End	18574
Name	OJ990430_35.9922.C9.o4.gs	Method	GENSCAN
Start	13397	End	15609
GI	none	Score	.53
Exons	13397..13576, 14112..14256, 14460..14645, 14990..15609		

Seq. No.	10499	Seq. ID	OJ990430_35.9922.C9
Gene No.	22240	Strand	+
Start	7806	End	18574
Name	OJ990430_35.9922.C9.o3.np	Method	AAT/NAP
Start	13770	End	15624
GI	4262160	Score	267
Exons	13770..13822, 15102..15624		
GI Descrip.	(AC005275) putative chloroplast protein import component [Arabidopsis thaliana]		

Seq. No.	10499	Seq. ID	OJ990430_35.9922.C9
Gene No.	22240	Strand	+
Start	7806	End	18574
Name	OJ990430_35.9922.C9.o2.gp	Method	AAT/GAP
Start	14152	End	15403
GI	61411_1.R1084	Score	1268
Exons	14152..14256, 14460..14645, 14990..15403		
GI Descrip.	'3769673 2.0e-10 (AF095285) Tic20 [Pisum sativum]'		

Seq. No.	10499	Seq. ID	OJ990430_35.9922.C9
Gene No.	22240	Strand	+
Start	7806	End	18574
Name	OJ990430_35.9922.C9.o3.gp	Method	AAT/GAP
Start	15519	End	15996
GI	3762910	Score	909
Exons	15519..15996		

Seq. No.	10499	Seq. ID	OJ990430_35.9922.C9
Gene No.	22240	Strand	+
Start	7806	End	18574
Name	OJ990430_35.9922.C9.o6.gp	Method	AAT/GAP
Start	18409	End	18574
GI	94899_1.R1084	Score	275
Exons	18409..18574		
GI Descrip.	'4538911/emb|CAB39648.1| 3.0e-18 (AL049482) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	10499	Seq. ID	OJ990430_35.9922.C9
Gene No.	22241	Strand	-
Start	1	End	4191
Name	OJ990430_35.9922.C9.o1.np	Method	AAT/NAP
Start	1	End	4191
GI	5042454	Score	3954
Exons	1..85, 506..1117, 1757..3466, 3522..3628, 4041..4191		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	10499	Seq. ID	OJ990430_35.9922.C9

Gene No.	22241	Strand	-
Start	1	End	4191
Name	OJ990430_35.9922.C9.o2.gs	Method	GENSCAN
Start	1756	End	3901
GI	none	Score	.54
Exons	1756..2189, 2233..2496, 2650..3466, 3522..3646, 3850..3901		

Seq. No.	10499	Seq. ID	OJ990430_35.9922.C9
Gene No.	22242	Strand	-
Start	15945	End	18640
Name	OJ990430_35.9922.C9.o1.tw	Method	TBLASTX:Wheat
Start	2402	End	2794
GI	none	Score	79
Exons	2402..2659, 2514..2675, 2642..2740, 2643..2723, 2747..2794		

Seq. No.	10499	Seq. ID	OJ990430_35.9922.C9
Gene No.	22242	Strand	-
Start	15945	End	18640
Name	OJ990430_35.9922.C9.o4.tm	Method	TBLASTX:Maize
Start	2504	End	2789
GI	none	Score	85
Exons	2504..2752, 2505..2789		

Seq. No.	10499	Seq. ID	OJ990430_35.9922.C9
Gene No.	22242	Strand	-
Start	15945	End	18640
Name	OJ990430_35.9922.C9.o3.tm	Method	TBLASTX:Maize
Start	15002	End	15216
GI	none	Score	39
Exons	15002..15046, 15028..15216, 15104..15202, 15105..15209		

Seq. No.	10499	Seq. ID	OJ990430_35.9922.C9
Gene No.	22242	Strand	-
Start	15945	End	18640
Name	OJ990430_35.9922.C9.o2.tc	Method	TBLASTX:Cress
Start	15103	End	15492
GI	none	Score	188
Exons	15103..15246, 15129..15251, 15250..15492		

Seq. No.	10499	Seq. ID	OJ990430_35.9922.C9
Gene No.	22242	Strand	-
Start	15945	End	18640
Name	OJ990430_35.9922.C9.o1.tm	Method	TBLASTX:Maize
Start	15216	End	15618
GI	none	Score	106
Exons	15216..15368, 15217..15618, 15219..15617		

Seq. No.	10499	Seq. ID	OJ990430_35.9922.C9
Gene No.	22242	Strand	-
Start	15945	End	18640
Name	OJ990430_35.9922.C9.o2.ts	Method	TBLASTX:Soybean
Start	15256	End	15582
GI	none	Score	251
Exons	15256..15582, 15289..15561		

Seq. No.	10499	Seq. ID	OJ990430_35.9922.C9
Gene No.	22242	Strand	-

Start	15945	End	18640
Name	OJ990430_35.9922.C9.o5.gs	Method	GENSCAN
Start	15945	End	18562
GI	none	Score	.79
Exons	15945..16046, 17515..17676, 18095..18295, 18502..18562		

Seq. No.	10499	Seq. ID	OJ990430_35.9922.C9
Gene No.	22242	Strand	-
Start	15945	End	18640
Name	OJ990430_35.9922.C9.o4.gp	Method	AAT/GAP
Start	16230	End	16700
GI	13474_1.R1084	Score	885
Exons	16230..16700		
GI Descrip.	'5042155/emb|CAB44674.1| 6.0e-24 (AL078620) putative protein [Arabidopsis thaliana]'		

Seq. No.	10499	Seq. ID	OJ990430_35.9922.C9
Gene No.	22242	Strand	-
Start	15945	End	18640
Name	OJ990430_35.9922.C9.o4.np	Method	AAT/NAP
Start	16472	End	18640
GI	5042155	Score	1041
Exons	16472..16809, 17511..17676, 18095..18295, 18378..18640		
GI Descrip.	(AL078620) putative protein [Arabidopsis thaliana]		

Seq. No.	10499	Seq. ID	OJ990430_35.9922.C9
Gene No.	22242	Strand	-
Start	15945	End	18640
Name	OJ990430_35.9922.C9.o1.ts	Method	TBLASTX:Soybean
Start	16499	End	18575
GI	none	Score	303
Exons	16499..16804, 16518..16787, 17530..17676, 17579..17665, 17599..17679, 18095..18298, 18095..18298, 18099..18299, 18354..18521, 18355..18501, 18372..18575, 18379..18561		

Seq. No.	10499	Seq. ID	OJ990430_35.9922.C9
Gene No.	22242	Strand	-
Start	15945	End	18640
Name	OJ990430_35.9922.C9.o1.tc	Method	TBLASTX:Cress
Start	16502	End	16743
GI	none	Score	261
Exons	16502..16741, 16503..16742, 16518..16742, 16540..16743		

Seq. No.	10499	Seq. ID	OJ990430_35.9922.C9
Gene No.	22242	Strand	-
Start	15945	End	18640
Name	OJ990430_35.9922.C9.o2.tm	Method	TBLASTX:Maize
Start	16502	End	18574
GI	none	Score	293
Exons	16502..16786, 16502..16786, 16503..16787, 16518..16787, 17515..17679, 17515..17676, 17579..17680, 18095..18298, 18095..18298, 18096..18299, 18198..18299, 18354..18521, 18355..18561, 18377..18574, 18379..18522		

Seq. No.	10499	Seq. ID	OJ990430_35.9922.C9
Gene No.	22242	Strand	-
Start	15945	End	18640

Name	OJ990430_35.9922.C9.o5.gp	Method	AAT/GAP
Start	17165	End	17395
GI	2796427	Score	438
Exons	17165..17395		

Seq. No.	10500	Seq. ID	OJ990430_35.9922.C10
Gene No.	22243	Strand	+
Start	4864	End	7559
Name	OJ990430_35.9922.C10.o2.gs	Method	GENSCAN
Start	4864	End	7559
GI	none	Score	.59
Exons	4864..6343, 6392..6713, 6896..6956, 7068..7559		

Seq. No.	10500	Seq. ID	OJ990430_35.9922.C10
Gene No.	22244	Strand	+
Start	18120	End	18711
Name	OJ990430_35.9922.C10.o6.gs	Method	GENSCAN
Start	18120	End	18711
GI	none	Score	.87
Exons	18120..18285, 18489..18568, 18607..18711		

Seq. No.	10500	Seq. ID	OJ990430_35.9922.C10
Gene No.	22245	Strand	+
Start	20021	End	20879
Name	OJ990430_35.9922.C10.o2.np	Method	AAT/NAP
Start	20021	End	20879
GI	2586087	Score	422
Exons	20021..20879		
GI Descrip.	(U72724) receptor kinase-like protein [Oryza sativa]		

Seq. No.	10500	Seq. ID	OJ990430_35.9922.C10
Gene No.	22246	Strand	-
Start	1	End	463
Name	OJ990430_35.9922.C10.o1.gp	Method	AAT/GAP
Start	1	End	348
GI	none	Score	696
Exons	1..348		

Seq. No.	10500	Seq. ID	OJ990430_35.9922.C10
Gene No.	22246	Strand	-
Start	1	End	463
Name	OJ990430_35.9922.C10.o2.gp	Method	AAT/GAP
Start	1	End	463
GI	94899_1.R1084	Score	153
Exons	1..36, 380..463		
GI Descrip.	'4538911/emb|CAB39648.1| 3.0e-18 (AL049482) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	10500	Seq. ID	OJ990430_35.9922.C10
Gene No.	22247	Strand	-
Start	10054	End	11669
Name	OJ990430_35.9922.C10.o3.gp	Method	AAT/GAP
Start	9813	End	10551
GI	none	Score	1395
Exons	9813..10551		

Seq. No.	10500	Seq. ID	OJ990430_35.9922.C10

Gene No.	22247	Strand	-
Start	10054	End	11669
Name	OJ990430_35.9922.C10.o3.gs	Method	GENSCAN
Start	10054	End	11669
GI	none	Score	.96
Exons	10054..10547, 10622..11669		

Seq. No.	10500	Seq. ID	OJ990430_35.9922.C10
Gene No.	22248	Strand	-
Start	15684	End	16506
Name	OJ990430_35.9922.C10.o4.gs	Method	GENSCAN
Start	15684	End	16506
GI	none	Score	.93
Exons	15684..15868, 16051..16253, 16466..16506		

Seq. No.	10500	Seq. ID	OJ990430_35.9922.C10
Gene No.	22249	Strand	-
Start	17689	End	17958
Name	OJ990430_35.9922.C10.o5.gs	Method	GENSCAN
Start	17689	End	17958
GI	none	Score	.95
Exons	17689..17958		

Seq. No.	10500	Seq. ID	OJ990430_35.9922.C10
Gene No.	22250	Strand	-
Start	19274	End	20879
Name	OJ990430_35.9922.C10.o3.ts	Method	TBLASTX:Soybean
Start	5107	End	5394
GI	none	Score	230
Exons	5107..5394, 5250..5393		

Seq. No.	10500	Seq. ID	OJ990430_35.9922.C10
Gene No.	22250	Strand	-
Start	19274	End	20879
Name	OJ990430_35.9922.C10.o2.tm	Method	TBLASTX:Maize
Start	5146	End	5838
GI	none	Score	258
Exons	5146..5394, 5184..5393, 5602..5748, 5788..5838		

Seq. No.	10500	Seq. ID	OJ990430_35.9922.C10
Gene No.	22250	Strand	-
Start	19274	End	20879
Name	OJ990430_35.9922.C10.o2.tc	Method	TBLASTX:Cress
Start	5176	End	5394
GI	none	Score	230
Exons	5176..5394, 5184..5393		

Seq. No.	10500	Seq. ID	OJ990430_35.9922.C10
Gene No.	22250	Strand	-
Start	19274	End	20879
Name	OJ990430_35.9922.C10.o3.tm	Method	TBLASTX:Maize
Start	6055	End	6408
GI	none	Score	210
Exons	6055..6408, 6192..6404		

Seq. No.	10500	Seq. ID	OJ990430_35.9922.C10
Gene No.	22250	Strand	-

Start	19274	End	20879
Name	OJ990430_35.9922.C10.o1.ts	Method	TBLASTX:Soybean
Start	10276	End	10522
GI	none	Score	181
Exons	10276..10521, 10280..10522		

Seq. No.	10500	Seq. ID	OJ990430_35.9922.C10
Gene No.	22250	Strand	-
Start	19274	End	20879
Name	OJ990430_35.9922.C10.o7.gs	Method	GENSCAN
Start	19274	End	20560
GI	none	Score	.61
Exons	19274..19402, 19999..20044, 20079..20184, 20299..20386, 20431..20515, 20551..20560		

Seq. No.	10500	Seq. ID	OJ990430_35.9922.C10
Gene No.	22250	Strand	-
Start	19274	End	20879
Name	OJ990430_35.9922.C10.o1.tc	Method	TBLASTX:Cress
Start	20294	End	20879
GI	none	Score	83
Exons	20294..20434, 20303..20350, 20354..20821, 20354..20791, 20363..20779, 20366..20725, 20369..20779, 20392..20532, 20414..20719, 20420..20560, 20441..20500, 20486..20788, 20507..20695, 20576..20818, 20645..20815, 20732..20782, 20841..20879		

Seq. No.	10500	Seq. ID	OJ990430_35.9922.C10
Gene No.	22250	Strand	-
Start	19274	End	20879
Name	OJ990430_35.9922.C10.o2.ts	Method	TBLASTX:Soybean
Start	20354	End	20815
GI	none	Score	162
Exons	20354..20635, 20354..20575, 20381..20716, 20386..20490, 20387..20815, 20407..20733, 20407..20580		

Seq. No.	10500	Seq. ID	OJ990430_35.9922.C10
Gene No.	22250	Strand	-
Start	19274	End	20879
Name	OJ990430_35.9922.C10.o1.tm	Method	TBLASTX:Maize
Start	20381	End	20818
GI	none	Score	88
Exons	20381..20500, 20396..20725, 20458..20793, 20468..20818, 20609..20788, 20681..20794, 20682..20795, 20684..20815		

Seq. No.	10501	Seq. ID	OJ990430_35.9922.C11
Gene No.	22251	Strand	+
Start	1688	End	3354
Name	OJ990430_35.9922.C11.o1.np	Method	AAT/NAP
Start	1688	End	3354
GI	4680186	Score	286
Exons	1688..1847, 2291..2537, 3212..3354		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	10501	Seq. ID	OJ990430_35.9922.C11
Gene No.	22252	Strand	+
Start	3720	End	4791

Name	OJ990430_35.9922.C11.o3.np	Method	AAT/NAP
Start	3693	End	4791
GI	6069653	Score	782
Exons	3693..4167, 4193..4648, 4727..4791		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	10501	Seq. ID	OJ990430_35.9922.C11
Gene No.	22252	Strand	+
Start	3720	End	4791
Name	OJ990430_35.9922.C11.o2.gs	Method	GENSCAN
Start	3720	End	4418
GI	none	Score	.52
Exons	3720..3824, 3856..4418		

Seq. No.	10501	Seq. ID	OJ990430_35.9922.C11
Gene No.	22253	Strand	-
Start	1321	End	4791
Name	OJ990430_35.9922.C11.o2.np	Method	AAT/NAP
Start	1321	End	4791
GI	5777623	Score	204
Exons	1321..1373, 2602..2815, 4058..4534, 4693..4791		
GI Descrip.	(AJ245900) CAA303711.1 protein [Oryza sativa]		

Seq. No.	10502	Seq. ID	OJ990430_35.9922.C12
Gene No.	22254	Strand	+
Start	930	End	2489
Name	OJ990430_35.9922.C12.o1.np	Method	AAT/NAP
Start	930	End	2489
GI	4680186	Score	222
Exons	930..949, 2314..2489		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	10503	Seq. ID	OJ990430_35.9922.C13
Gene No.	22255	Strand	+
Start	4337	End	6237
Name	OJ990430_35.9922.C13.o2.np	Method	AAT/NAP
Start	4337	End	6210
GI	4680184	Score	149
Exons	4337..4894, 5046..5439, 5865..6210		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	10503	Seq. ID	OJ990430_35.9922.C13
Gene No.	22255	Strand	+
Start	4337	End	6237
Name	OJ990430_35.9922.C13.o3.np	Method	AAT/NAP
Start	4669	End	6237
GI	5734635	Score	395
Exons	4669..4773, 4828..5052, 5390..5537, 5612..6237		
GI Descrip.	(AP000391) hypothetical protein [Oryza sativa]		

Seq. No.	10503	Seq. ID	OJ990430_35.9922.C13
Gene No.	22256	Strand	-
Start	1	End	7035
Name	OJ990430_35.9922.C13.o1.np	Method	AAT/NAP
Start	1	End	6004
GI	4680179	Score	465
Exons	1..47, 646..1587, 5874..6004		

GI Descrip. (AF111709) polyprotein [Oryza sativa subsp. indica]

Seq. No.	10503	Seq. ID	OJ990430_35.9922.C13
Gene No.	22256	Strand	-
Start	1	End	7035
Name	OJ990430_35.9922.C13.o1.gs	Method	GENSCAN
Start	421	End	7035
GI	none	Score	.62
Exons	421..1803, 2874..3017, 3672..3826, 4430..4661, 4773..4929, 5272..5474, 5618..5746, 6134..6175, 6949..7035		

Seq. No.	10503	Seq. ID	OJ990430_35.9922.C13
Gene No.	22256	Strand	-
Start	1	End	7035
Name	OJ990430_35.9922.C13.o1.tm	Method	TBLASTX:Maize
Start	934	End	1233
GI	none	Score	77
Exons	934..1233, 1085..1201		

Seq. No.	10503	Seq. ID	OJ990430_35.9922.C13
Gene No.	22256	Strand	-
Start	1	End	7035
Name	OJ990430_35.9922.C13.o1.tw	Method	TBLASTX:Wheat
Start	1114	End	1488
GI	none	Score	261
Exons	1114..1488		

Seq. No.	10503	Seq. ID	OJ990430_35.9922.C13
Gene No.	22256	Strand	-
Start	1	End	7035
Name	OJ990430_35.9922.C13.o1.gp	Method	AAT/GAP
Start	2772	End	3199
GI	4878407	Score	681
Exons	2772..3199		
GI Descrip.	6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12		

Seq. No.	10504	Seq. ID	OJ990430_35.9922.C14
Gene No.	22257	Strand	+
Start	135	End	3228
Name	OJ990430_35.9922.C14.o1.np	Method	AAT/NAP
Start	135	End	3228
GI	6522592	Score	1535
Exons	135..2747, 2858..3228		
GI Descrip.	(AL133292) receptor protein kinase-like protein [Arabidopsis thaliana]		

Seq. No.	10504	Seq. ID	OJ990430_35.9922.C14
Gene No.	22258	Strand	+
Start	8156	End	8827
Name	OJ990430_35.9922.C14.o2.tm	Method	TBLASTX:Maize
Start	287	End	8813
GI	none	Score	50
Exons	287..328, 288..329, 338..595, 339..731, 579..797, 723..941, 944..1129, 947..1078, 953..1087, 1169..1270, 1322..1528, 1340..1459, 1577..1747, 1694..1819, 1750..1818, 8271..8306, 8289..8648, 8301..8594, 8315..8647, 8636..8683, 8643..8681,		

8646..8756, 8660..8770, 8718..8813

Seq. No.	10504	Seq. ID	OJ990430_35.9922.C14
Gene No.	22258	Strand	+
Start	8156	End	8827
Name	OJ990430_35.9922.C14.o1.tc	Method	TBLASTX:Cress
Start	291	End	8825
GI	none	Score	62

Exons 291..500, 378..506, 381..491, 384..941, 393..503, 393..587, 399..503, 504..959, 507..821, 516..998, 522..941, 567..869, 588..644, 639..956, 729..914, 870..938, 950..1099, 956..1144, 959..1066, 959..1180, 978..1007, 1001..1135, 1169..1447, 1259..1528, 1259..1528, 1265..1384, 1268..1528, 1268..1390, 1268..1528, 1268..1528, 1268..1528, 1268..1408, 1283..1528, 1292..1477, 1310..1528, 1400..1522, 1589..1816, 1592..1768, 1592..1819, 1592..1819, 1616..1822, 1616..1807, 1685..1756, 1697..1870, 1697..1891, 1772..1819, 2309..2389, 2393..2461, 2401..2460, 2492..2659, 2515..2655, 2857..2952, 3088..3198, 8256..8471, 8361..8636, 8361..8480, 8361..8564, 8493..8639, 8502..8654, 8523..8651, 8613..8813, 8625..8825, 8625..8825, 8625..8780, 8625..8825, 8634..8825, 8637..8825, 8679..8825

Seq. No.	10504	Seq. ID	OJ990430_35.9922.C14
Gene No.	22258	Strand	+
Start	8156	End	8827
Name	OJ990430_35.9922.C14.o2.ts	Method	TBLASTX:Soybean
Start	381	End	8825
GI	none	Score	78

Exons 381..506, 384..503, 384..503, 393..485, 393..503, 420..503, 492..941, 501..791, 501..932, 507..941, 507..887, 507..860, 516..959, 534..932, 615..1001, 626..859, 639..758, 944..1135, 950..1135, 952..1092, 959..1129, 983..1135, 1169..1528, 1181..1258, 1193..1528, 1268..1528, 1268..1522, 1268..1510, 1268..1522, 1277..1528, 1277..1522, 1277..1528, 1393..1575, 1420..1602, 1519..1818, 1592..1819, 1592..1774, 1592..1891, 1592..1894, 1592..1819, 1592..1819, 1592..1819, 1651..1827, 1652..1891, 1772..1822, 8355..8480, 8361..8480, 8361..8480, 8478..8666, 8478..8648, 8493..8621, 8625..8807, 8637..8813, 8637..8825, 8637..8810, 8637..8765, 8637..8825, 8637..8825, 8639..8755

Seq. No.	10504	Seq. ID	OJ990430_35.9922.C14
Gene No.	22258	Strand	+
Start	8156	End	8827
Name	OJ990430_35.9922.C14.o1.tw	Method	TBLASTX:Wheat
Start	432	End	8807
GI	none	Score	58

Exons 432..503, 507..698, 684..887, 741..941, 827..946, 944..1135, 950..1060, 994..1113, 1088..1510, 1340..1522, 1592..1777, 1735..1830, 8553..8639, 8601..8807

Seq. No.	10504	Seq. ID	OJ990430_35.9922.C14
Gene No.	22258	Strand	+
Start	8156	End	8827
Name	OJ990430_35.9922.C14.o1.ts	Method	TBLASTX:Soybean
Start	2153	End	3039
GI	none	Score	87

Exons	2153..2245, 2260..2448, 2261..2731, 2492..2647, 2838..2951, 2856..2951, 2857..3039		
Seq. No.	10504	Seq. ID	OJ990430_35.9922.C14
Gene No.	22258	Strand	+
Start	8156	End	8827
Name	OJ990430_35.9922.C14.o1.tm	Method	TBLASTX:Maize
Start	2322	End	2674
GI	none	Score	115
Exons	2322..2510, 2323..2670, 2324..2674		
Seq. No.	10504	Seq. ID	OJ990430_35.9922.C14
Gene No.	22258	Strand	+
Start	8156	End	8827
Name	OJ990430_35.9922.C14.o3.tm	Method	TBLASTX:Maize
Start	2675	End	3201
GI	none	Score	71
Exons	2675..2746, 2704..2745, 2816..2977, 2856..3053, 2857..3066, 3078..3197, 3079..3201		
Seq. No.	10504	Seq. ID	OJ990430_35.9922.C14
Gene No.	22258	Strand	+
Start	8156	End	8827
Name	OJ990430_35.9922.C14.o2.np	Method	AAT/NAP
Start	8156	End	8827
GI	6522541	Score	282
Exons	8156..8827		
GI Descrip.	(AL132955) receptor-kinase like protein [Arabidopsis thaliana]		
Seq. No.	10505	Seq. ID	OJ990430_35.9922.C15
Gene No.	22259	Strand	+
Start	1	End	555
Name	OJ990430_35.9922.C15.o1.np	Method	AAT/NAP
Start	1	End	555
GI	6815099	Score	78
Exons	1..102, 442..555		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		
Seq. No.	10505	Seq. ID	OJ990430_35.9922.C15
Gene No.	22260	Strand	+
Start	994	End	1094
Name	OJ990430_35.9922.C15.o1.gs	Method	GENSCAN
Start	994	End	1094
GI	none	Score	.9
Exons	994..1094		
Seq. No.	10506	Seq. ID	OJ990430_35.9922.C16
Gene No.	22261	Strand	+
Start	1100	End	3613
Name	OJ990430_35.9922.C16.o1.gs	Method	GENSCAN
Start	1100	End	3428
GI	none	Score	.93
Exons	1100..1166, 1965..3428		
Seq. No.	10506	Seq. ID	OJ990430_35.9922.C16
Gene No.	22261	Strand	+
Start	1100	End	3613

Name	OJ990430_35.9922.C16.o1.tw	Method	TBLASTX:Wheat
Start	1986	End	3454
GI	none	Score	42
Exons	1986..2036, 2065..2256, 2078..2266, 2242..2349, 2249..2341, 2363..2482, 2600..2695, 3233..3370, 3320..3454		

Seq. No.	10506	Seq. ID	OJ990430_35.9922.C16
Gene No.	22261	Strand	+
Start	1100	End	3613
Name	OJ990430_35.9922.C16.o1.np	Method	AAT/NAP
Start	2018	End	3613
GI	6522590	Score	896
Exons	2018..3613		
GI Descrip.	(AL133292) receptor kinase-like protein [Arabidopsis thaliana]		

Seq. No.	10506	Seq. ID	OJ990430_35.9922.C16
Gene No.	22261	Strand	+
Start	1100	End	3613
Name	OJ990430_35.9922.C16.o1.tm	Method	TBLASTX:Maize
Start	2122	End	3382
GI	none	Score	50
Exons	2122..2163, 2123..2164, 2147..2566, 2170..2559, 2795..2923, 3149..3223, 3245..3382		

Seq. No.	10506	Seq. ID	OJ990430_35.9922.C16
Gene No.	22261	Strand	+
Start	1100	End	3613
Name	OJ990430_35.9922.C16.o1.ts	Method	TBLASTX:Soybean
Start	2204	End	3613
GI	none	Score	81
Exons	2204..2341, 2216..2338, 2216..2338, 2219..2338, 2228..2320, 2228..2341, 2228..2341, 2336..2626, 2336..2695, 2336..2713, 2342..2785, 2342..2698, 2342..2701, 2351..2704, 2360..2698, 2426..2695, 2456..2704, 2474..2593, 2705..2968, 2789..2974, 2789..2974, 3188..3595, 3194..3382, 3230..3583, 3232..3306, 3233..3337, 3239..3592, 3248..3613, 3272..3610, 3290..3382, 3355..3594, 3428..3610		

Seq. No.	10506	Seq. ID	OJ990430_35.9922.C16
Gene No.	22261	Strand	+
Start	1100	End	3613
Name	OJ990430_35.9922.C16.o1.tc	Method	TBLASTX:Cress
Start	2216	End	3613
GI	none	Score	75
Exons	2216..2326, 2216..2338, 2219..2707, 2219..2338, 2228..2338, 2228..2338, 2228..2422, 2237..2338, 2248..2406, 2258..2341, 2342..2644, 2342..2698, 2351..2698, 2354..2695, 2381..2641, 2402..2695, 2408..2494, 2420..2602, 2531..2695, 2645..2782, 2786..2974, 2789..2944, 2798..2896, 2858..2974, 2980..3165, 2999..3079, 3194..3583, 3227..3376, 3230..3439, 3230..3610, 3242..3601, 3245..3364, 3428..3526, 3428..3613, 3452..3610		

Seq. No.	10506	Seq. ID	OJ990430_35.9922.C16
Gene No.	22261	Strand	+
Start	1100	End	3613
Name	OJ990430_35.9922.C16.o2.tw	Method	TBLASTX:Wheat
Start	2753	End	3223

GI	none	Score	208
Exons	2753..3079, 2758..3102, 3149..3223		

Seq. No.	10507	Seq. ID	OJ990430_35.9922.C17
Gene No.	22262	Strand	+
Start	1	End	1345
Name	OJ990430_35.9922.C17.o1.np	Method	AAT/NAP
Start	1	End	1345
GI	6522590	Score	617
Exons	1..858, 969..1345		
GI Descrip.	(AL133292) receptor kinase-like protein [Arabidopsis thaliana]		

Seq. No.	10507	Seq. ID	OJ990430_35.9922.C17
Gene No.	22262	Strand	+
Start	1	End	1345
Name	OJ990430_35.9922.C17.o1.tc	Method	TBLASTX:Cress
Start	111	End	1063
GI	none	Score	35
Exons	111..269, 255..488, 525..572, 567..770, 801..857, 968..1063		

Seq. No.	10507	Seq. ID	OJ990430_35.9922.C17
Gene No.	22262	Strand	+
Start	1	End	1345
Name	OJ990430_35.9922.C17.o1.gs	Method	GENSCAN
Start	172	End	1340
GI	none	Score	.5
Exons	172..858, 969..1340		

Seq. No.	10507	Seq. ID	OJ990430_35.9922.C17
Gene No.	22262	Strand	+
Start	1	End	1345
Name	OJ990430_35.9922.C17.o1.ts	Method	TBLASTX:Soybean
Start	264	End	1150
GI	none	Score	78
Exons	264..356, 371..556, 372..842, 596..757, 967..1149, 968..1150		

Seq. No.	10507	Seq. ID	OJ990430_35.9922.C17
Gene No.	22262	Strand	+
Start	1	End	1345
Name	OJ990430_35.9922.C17.o1.tm	Method	TBLASTX:Maize
Start	433	End	791
GI	none	Score	85
Exons	433..573, 434..769, 435..791		

Seq. No.	10507	Seq. ID	OJ990430_35.9922.C17
Gene No.	22262	Strand	+
Start	1	End	1345
Name	OJ990430_35.9922.C17.o1.tw	Method	TBLASTX:Wheat
Start	603	End	1068
GI	none	Score	131
Exons	603..761, 834..857, 958..1068, 968..1063		

Seq. No.	10507	Seq. ID	OJ990430_35.9922.C17
Gene No.	22262	Strand	+
Start	1	End	1345
Name	OJ990430_35.9922.C17.o1.gp	Method	AAT/GAP
Start	771	End	1287

GI	10677_1.R1084	Score	709
Exons	771..858, 969..1287		
GI Descrip.	'2586083 2.0e-13 (U72725) receptor kinase-like protein [Oryza longistaminata]'		

Seq. No.	10507	Seq. ID	OJ990430_35.9922.C17
Gene No.	22262	Strand	+
Start	1	End	1345
Name	OJ990430_35.9922.C17.o2.tm	Method	TBLASTX:Maize
Start	815	End	1343
GI	none	Score	55
Exons	815..856, 822..857, 968..1159, 971..1162, 981..1163, 981..1166, 1186..1305, 1187..1309, 1188..1343		

Seq. No.	10508	Seq. ID	OJ990430_35.9922.C18
Gene No.	22263	Strand	+
Start	195	End	457
Name	OJ990430_35.9922.C18.o1.gs	Method	GENSCAN
Start	195	End	457
GI	none	Score	.84
Exons	195..293, 347..457		

Seq. No.	10508	Seq. ID	OJ990430_35.9922.C18
Gene No.	22264	Strand	-
Start	3702	End	4831
Name	OJ990430_35.9922.C18.o3.gs	Method	GENSCAN
Start	3702	End	4684
GI	none	Score	.85
Exons	3702..4493, 4676..4684		

Seq. No.	10508	Seq. ID	OJ990430_35.9922.C18
Gene No.	22264	Strand	-
Start	3702	End	4831
Name	OJ990430_35.9922.C18.o1.np	Method	AAT/NAP
Start	3705	End	4831
GI	6539553	Score	1889
Exons	3705..4831		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	10508	Seq. ID	OJ990430_35.9922.C18
Gene No.	22264	Strand	-
Start	3702	End	4831
Name	OJ990430_35.9922.C18.o1.tw	Method	TBLASTX:Wheat
Start	3841	End	4317
GI	none	Score	341
Exons	3841..4227, 3842..4225, 3879..4226, 4242..4316, 4246..4317		

Seq. No.	10508	Seq. ID	OJ990430_35.9922.C18
Gene No.	22264	Strand	-
Start	3702	End	4831
Name	OJ990430_35.9922.C18.o2.ts	Method	TBLASTX:Soybean
Start	3969	End	4310
GI	none	Score	74
Exons	3969..4178, 4048..4173, 4197..4310, 4204..4284		

Seq. No.	10508	Seq. ID	OJ990430_35.9922.C18
Gene No.	22264	Strand	-
Start	3702	End	4831
Name	OJ990430_35.9922.C18.o1.tm	Method	TBLASTX:Maize
Start	4173	End	4512
GI	none	Score	202
Exons	4173..4511, 4174..4512		

Seq. No.	10508	Seq. ID	OJ990430_35.9922.C18
Gene No.	22264	Strand	-
Start	3702	End	4831
Name	OJ990430_35.9922.C18.o1.ts	Method	TBLASTX:Soybean
Start	4323	End	4668
GI	none	Score	124
Exons	4323..4667, 4468..4668		

Seq. No.	10508	Seq. ID	OJ990430_35.9922.C18
Gene No.	22264	Strand	-
Start	3702	End	4831
Name	OJ990430_35.9922.C18.o2.tw	Method	TBLASTX:Wheat
Start	4521	End	4817
GI	none	Score	97
Exons	4521..4727, 4722..4817		

Seq. No.	10508	Seq. ID	OJ990430_35.9922.C18
Gene No.	22264	Strand	-
Start	3702	End	4831
Name	OJ990430_35.9922.C18.o2.tm	Method	TBLASTX:Maize
Start	4533	End	4814
GI	none	Score	180
Exons	4533..4814		

Seq. No.	10509	Seq. ID	OJ990430_35.9922.C19
Gene No.	22265	Strand	-
Start	1	End	1571
Name	OJ990430_35.9922.C19.o1.np	Method	AAT/NAP
Start	1	End	1571
GI	6539553	Score	2732
Exons	1..1571		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	10509	Seq. ID	OJ990430_35.9922.C19
Gene No.	22265	Strand	-
Start	1	End	1571
Name	OJ990430_35.9922.C19.o1.tw	Method	TBLASTX:Wheat
Start	3	End	467
GI	none	Score	303
Exons	3..458, 3..467, 4..459		

Seq. No.	10509	Seq. ID	OJ990430_35.9922.C19
Gene No.	22265	Strand	-
Start	1	End	1571
Name	OJ990430_35.9922.C19.o1.tc	Method	TBLASTX:Cress

Start	9	End	482
GI	none	Score	108
Exons	9..89, 93..287, 300..482		

Seq. No.	10509	Seq. ID	OJ990430_35.9922.C19
Gene No.	22265	Strand	-
Start	1	End	1571
Name	OJ990430_35.9922.C19.o2.tm	Method	TBLASTX:Maize
Start	39	End	611
GI	none	Score	67
Exons	39..284, 303..611, 327..482, 337..528		

Seq. No.	10509	Seq. ID	OJ990430_35.9922.C19
Gene No.	22265	Strand	-
Start	1	End	1571
Name	OJ990430_35.9922.C19.o1.ts	Method	TBLASTX:Soybean
Start	117	End	515
GI	none	Score	38
Exons	117..290, 244..282, 291..515, 336..506, 337..507		

Seq. No.	10509	Seq. ID	OJ990430_35.9922.C19
Gene No.	22265	Strand	-
Start	1	End	1571
Name	OJ990430_35.9922.C19.o2.tw	Method	TBLASTX:Wheat
Start	468	End	660
GI	none	Score	186
Exons	468..659, 468..659, 469..660, 589..660		

Seq. No.	10509	Seq. ID	OJ990430_35.9922.C19
Gene No.	22265	Strand	-
Start	1	End	1571
Name	OJ990430_35.9922.C19.o2.ts	Method	TBLASTX:Soybean
Start	525	End	911
GI	none	Score	84
Exons	525..749, 762..911		

Seq. No.	10509	Seq. ID	OJ990430_35.9922.C19
Gene No.	22265	Strand	-
Start	1	End	1571
Name	OJ990430_35.9922.C19.o1.tm	Method	TBLASTX:Maize
Start	938	End	1260
GI	none	Score	381
Exons	938..1105, 939..1253, 940..1233, 1006..1260		

Seq. No.	10510	Seq. ID	OJ990430_35.9922.C20
Gene No.	22266	Strand	+
Start	11946	End	13085
Name	OJ990430_35.9922.C20.o1.gp	Method	AAT/GAP
Start	11946	End	12613
GI	24559_1.R1084	Score	862
Exons	11946..12090, 12266..12613		
GI Descrip.	'2586083 2.0e-12 (U72725) receptor kinase-like protein [Oryza longistaminata]'		

Seq. No.	10510	Seq. ID	OJ990430_35.9922.C20
Gene No.	22266	Strand	+
Start	11946	End	13085

Name	OJ990430_35.9922.C20.o2.np	Method	AAT/NAP
Start	12271	End	13085
GI	6522592	Score	310
Exons	12271..13085		
GI Descrip.	(AL133292) receptor protein kinase-like protein [Arabidopsis thaliana]		

Seq. No.	10510	Seq. ID	OJ990430_35.9922.C20
Gene No.	22267	Strand	-
Start	1	End	7858
Name	OJ990430_35.9922.C20.o1.np	Method	AAT/NAP
Start	1	End	199
GI	6539553	Score	334
Exons	1..199		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	10510	Seq. ID	OJ990430_35.9922.C20
Gene No.	22267	Strand	-
Start	1	End	7858
Name	OJ990430_35.9922.C20.o1.gs	Method	GENSCAN
Start	92	End	7858
GI	none	Score	.41
Exons	92..215, 393..440, 445..628, 821..961, 1102..1285, 1350..1487, 1785..1972, 2046..2121, 2332..2508, 2824..3021, 4851..4978, 5208..5445, 7778..7858		

Seq. No.	10510	Seq. ID	OJ990430_35.9922.C20
Gene No.	22268	Strand	-
Start	11401	End	12858
Name	OJ990430_35.9922.C20.o1.tw	Method	TBLASTX:Wheat
Start	2	End	256
GI	none	Score	157
Exons	2..64, 24..209, 26..208, 205..252, 212..256		

Seq. No.	10510	Seq. ID	OJ990430_35.9922.C20
Gene No.	22268	Strand	-
Start	11401	End	12858
Name	OJ990430_35.9922.C20.o2.gs	Method	GENSCAN
Start	11401	End	12515
GI	none	Score	.76
Exons	11401..11847, 12417..12515		

Seq. No.	10510	Seq. ID	OJ990430_35.9922.C20
Gene No.	22268	Strand	-
Start	11401	End	12858
Name	OJ990430_35.9922.C20.o1.tm	Method	TBLASTX:Maize
Start	12415	End	12858
GI	none	Score	46
Exons	12415..12456, 12448..12858, 12465..12851		

Seq. No.	10511	Seq. ID	OJ990430_33.9924.C3
Gene No.	22269	Strand	+
Start	368	End	7881
Name	OJ990430_33.9924.C3.o1.gs	Method	GENSCAN

Start	368	End	7745
GI	none	Score	.59
Exons	368..428, 5501..5582, 5593..5749, 6727..7206, 7302..7745		

Seq. No.	10511	Seq. ID	OJ990430_33.9924.C3
Gene No.	22269	Strand	+
Start	368	End	7881
Name	OJ990430_33.9924.C3.o2.np	Method	AAT/NAP
Start	2470	End	7881
GI	4680214	Score	306
Exons	2470..2508, 6883..7206, 7296..7881		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	10511	Seq. ID	OJ990430_33.9924.C3
Gene No.	22270	Strand	+
Start	14576	End	18214
Name	OJ990430_33.9924.C3.o4.np	Method	AAT/NAP
Start	14558	End	16883
GI	2828293	Score	625
Exons	14558..14778, 14964..15098, 15146..15486, 16155..16344, 16658..16883		
GI Descrip.	(AL021687) putative protein [Arabidopsis thaliana]		

Seq. No.	10511	Seq. ID	OJ990430_33.9924.C3
Gene No.	22270	Strand	+
Start	14576	End	18214
Name	OJ990430_33.9924.C3.o4.gs	Method	GENSCAN
Start	14576	End	18214
GI	none	Score	.7
Exons	14576..14850, 14982..15098, 15184..15469, 16189..16344, 16658..16809, 17109..17224, 18084..18214		

Seq. No.	10511	Seq. ID	OJ990430_33.9924.C3
Gene No.	22271	Strand	+
Start	18916	End	19087
Name	OJ990430_33.9924.C3.o1.gp	Method	AAT/GAP
Start	18916	End	19087
GI	none	Score	315
Exons	18916..19087		

Seq. No.	10511	Seq. ID	OJ990430_33.9924.C3
Gene No.	22272	Strand	+
Start	21624	End	24105
Name	OJ990430_33.9924.C3.o6.np	Method	AAT/NAP
Start	21624	End	24105
GI	6815099	Score	96
Exons	21624..21812, 23987..24105		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	10511	Seq. ID	OJ990430_33.9924.C3
Gene No.	22273	Strand	-
Start	5920	End	13645
Name	OJ990430_33.9924.C3.o1.np	Method	AAT/NAP
Start	5920	End	10438
GI	4733891	Score	132
Exons	5920..6087, 10394..10438		
GI Descrip.	(AF104924) unconventional myosin heavy chain [Zea mays]		

Seq. No.	10511	Seq. ID	OJ990430_33.9924.C3
Gene No.	22273	Strand	-
Start	5920	End	13645
Name	OJ990430_33.9924.C3.o2.gs	Method	GENSCAN
Start	8830	End	10067
GI	none	Score	.51
Exons	8830..9207, 9417..9741, 9820..10067		

Seq. No.	10511	Seq. ID	OJ990430_33.9924.C3
Gene No.	22273	Strand	-
Start	5920	End	13645
Name	OJ990430_33.9924.C3.o3.np	Method	AAT/NAP
Start	8881	End	9623
GI	2213632	Score	819
Exons	8881..9623		
GI Descrip.	(AC000103) F21J9.24 [Arabidopsis thaliana]		

Seq. No.	10511	Seq. ID	OJ990430_33.9924.C3
Gene No.	22273	Strand	-
Start	5920	End	13645
Name	OJ990430_33.9924.C3.o3.gs	Method	GENSCAN
Start	10300	End	13645
GI	none	Score	.44
Exons	10300..10682, 12303..12501, 12533..12925, 13022..13645		

Seq. No.	10511	Seq. ID	OJ990430_33.9924.C3
Gene No.	22274	Strand	-
Start	19062	End	21017
Name	OJ990430_33.9924.C3.o5.gs	Method	GENSCAN
Start	19062	End	20930
GI	none	Score	.95
Exons	19062..20930		

Seq. No.	10511	Seq. ID	OJ990430_33.9924.C3
Gene No.	22274	Strand	-
Start	19062	End	21017
Name	OJ990430_33.9924.C3.o5.np	Method	AAT/NAP
Start	19071	End	20849
GI	2828292	Score	1702
Exons	19071..20849		
GI Descrip.	(AL021687) neoxanthin cleavage enzyme-like protein [Arabidopsis thaliana]		

Seq. No.	10511	Seq. ID	OJ990430_33.9924.C3
Gene No.	22274	Strand	-
Start	19062	End	21017
Name	OJ990430_33.9924.C3.o2.gp	Method	AAT/GAP
Start	19199	End	19648
GI	LIB3433-055-P1-K1-D6	Score	864
Exons	19199..19648		
GI Descrip.	'2828292/emb|CAA16706.1| 1.0e-42 (AL021687) neoxanthin cleavage enzyme-like protein [Arabidopsis thaliana]'		

Seq. No.	10511	Seq. ID	OJ990430_33.9924.C3
Gene No.	22274	Strand	-
Start	19062	End	21017

Name	OJ990430_33.9924.C3.o3.gp	Method	AAT/GAP
Start	20639	End	21017
GI	LIB3479-012-Q6-K1-E7	Score	651
Exons	20639..21017		
GI Descrip.	'6015437/dbj|AB008112.1|AB008112 1.0e-10 Homo sapiens PEX1 mRNA, complete cds'		

Seq. No.	10511	Seq. ID	OJ990430_33.9924.C3
Gene No.	22275	Strand	-
Start	22318	End	26773
Name	OJ990430_33.9924.C3.o3.tm	Method	TBLASTX:Maize
Start	6907	End	7866
GI	none	Score	154
Exons	6907..7062, 6908..7192, 6912..7214, 6913..7209, 7092..7223, 7305..7502, 7729..7866		

Seq. No.	10511	Seq. ID	OJ990430_33.9924.C3
Gene No.	22275	Strand	-
Start	22318	End	26773
Name	OJ990430_33.9924.C3.o2.tm	Method	TBLASTX:Maize
Start	8905	End	9382
GI	none	Score	48
Exons	8905..8973, 8906..8974, 8965..9333, 8974..9012, 8993..9319, 9010..9381, 9011..9382		

Seq. No.	10511	Seq. ID	OJ990430_33.9924.C3
Gene No.	22275	Strand	-
Start	22318	End	26773
Name	OJ990430_33.9924.C3.o1.tw	Method	TBLASTX:Wheat
Start	8916	End	9339
GI	none	Score	196
Exons	8916..9143, 8917..9144, 8920..9144, 8927..9151, 9152..9334, 9154..9339		

Seq. No.	10511	Seq. ID	OJ990430_33.9924.C3
Gene No.	22275	Strand	-
Start	22318	End	26773
Name	OJ990430_33.9924.C3.o7.tm	Method	TBLASTX:Maize
Start	9400	End	9953
GI	none	Score	79
Exons	9400..9435, 9417..9746, 9843..9953		

Seq. No.	10511	Seq. ID	OJ990430_33.9924.C3
Gene No.	22275	Strand	-
Start	22318	End	26773
Name	OJ990430_33.9924.C3.o2.tw	Method	TBLASTX:Wheat
Start	9459	End	9746
GI	none	Score	195
Exons	9459..9746		

Seq. No.	10511	Seq. ID	OJ990430_33.9924.C3
Gene No.	22275	Strand	-
Start	22318	End	26773
Name	OJ990430_33.9924.C3.o8.tm	Method	TBLASTX:Maize
Start	14587	End	14773
GI	none	Score	220
Exons	14587..14700, 14588..14773		

Seq. No.	10511	Seq. ID	OJ990430_33.9924.C3
Gene No.	22275	Strand	-
Start	22318	End	26773
Name	OJ990430_33.9924.C3.o4.ts	Method	TBLASTX:Soybean
Start	14603	End	16268
GI	none	Score	141
Exons	14603..14770, 15211..15297, 15212..15310, 15392..15481, 15412..15462, 16185..16268, 16186..16266		

Seq. No.	10511	Seq. ID	OJ990430_33.9924.C3
Gene No.	22275	Strand	-
Start	22318	End	26773
Name	OJ990430_33.9924.C3.o2.tc	Method	TBLASTX:Cress
Start	14983	End	15298
GI	none	Score	170
Exons	14983..15111, 14986..15096, 14997..15098, 15203..15298, 15209..15295, 15214..15297		

Seq. No.	10511	Seq. ID	OJ990430_33.9924.C3
Gene No.	22275	Strand	-
Start	22318	End	26773
Name	OJ990430_33.9924.C3.o10.tm	Method	TBLASTX:Maize
Start	15055	End	16248
GI	none	Score	63
Exons	15055..15099, 15188..15304, 15205..15324, 15391..15471, 15392..15472, 16189..16248		

Seq. No.	10511	Seq. ID	OJ990430_33.9924.C3
Gene No.	22275	Strand	-
Start	22318	End	26773
Name	OJ990430_33.9924.C3.o9.tm	Method	TBLASTX:Maize
Start	16254	End	18216
GI	none	Score	114
Exons	16254..16343, 16255..16344, 16260..16343, 16658..16804, 16658..16804, 16662..16808, 16663..16809, 16671..16805, 17049..17183, 17106..17186, 17178..17246, 17179..17247, 17260..17307, 17263..17304, 18105..18149, 18107..18151, 18163..18216, 18164..18208		

Seq. No.	10511	Seq. ID	OJ990430_33.9924.C3
Gene No.	22275	Strand	-
Start	22318	End	26773
Name	OJ990430_33.9924.C3.o1.tm	Method	TBLASTX:Maize
Start	18931	End	19896
GI	none	Score	43
Exons	18931..18987, 19056..19721, 19062..19733, 19063..19767, 19627..19731, 19754..19804, 19759..19896, 19782..19895		

Seq. No.	10511	Seq. ID	OJ990430_33.9924.C3
Gene No.	22275	Strand	-
Start	22318	End	26773
Name	OJ990430_33.9924.C3.o1.tc	Method	TBLASTX:Cress
Start	18967	End	20507
GI	none	Score	116
Exons	18967..19233, 19071..19235, 19341..19559, 19620..19721, 19660..19743, 19768..19842, 19797..19865, 19869..20057,		

19870..20058, 20055..20153, 20367..20444, 20445..20507

Seq. No.	10511	Seq. ID	OJ990430_33.9924.C3
Gene No.	22275	Strand	-
Start	22318	End	26773
Name	OJ990430_33.9924.C3.o3.ts	Method	TBLASTX:Soybean
Start	19077	End	19380
GI	none	Score	141
Exons	19077..19235, 19081..19236, 19272..19337, 19273..19380		

Seq. No.	10511	Seq. ID	OJ990430_33.9924.C3
Gene No.	22275	Strand	-
Start	22318	End	26773
Name	OJ990430_33.9924.C3.o1.ts	Method	TBLASTX:Soybean
Start	19380	End	20624
GI	none	Score	289
Exons	19380..19721, 19381..19761, 19759..20052, 19791..20051, 20041..20172, 20055..20180, 20226..20330, 20230..20331, 20364..20414, 20367..20444, 20445..20567, 20565..20624		

Seq. No.	10511	Seq. ID	OJ990430_33.9924.C3
Gene No.	22275	Strand	-
Start	22318	End	26773
Name	OJ990430_33.9924.C3.o5.tm	Method	TBLASTX:Maize
Start	19896	End	20102
GI	none	Score	269
Exons	19896..20102, 19897..20091		

Seq. No.	10511	Seq. ID	OJ990430_33.9924.C3
Gene No.	22275	Strand	-
Start	22318	End	26773
Name	OJ990430_33.9924.C3.o6.gs	Method	GENSCAN
Start	22318	End	26727
GI	none	Score	.54
Exons	22318..22492, 22643..22715, 25444..25510, 26380..26577, 26617..26727		

Seq. No.	10511	Seq. ID	OJ990430_33.9924.C3
Gene No.	22275	Strand	-
Start	22318	End	26773
Name	OJ990430_33.9924.C3.o8.np	Method	AAT/NAP
Start	24859	End	26773
GI	3377836	Score	96
Exons	24859..24885, 26163..26433, 26624..26773		
GI Descrip.	(AF075598) contains similarity to reverse transcriptases [Arabidopsis thaliana]		

Seq. No.	10511	Seq. ID	OJ990430_33.9924.C3
Gene No.	22275	Strand	-
Start	22318	End	26773
Name	OJ990430_33.9924.C3.o7.np	Method	AAT/NAP
Start	25451	End	26773
GI	4996361	Score	443
Exons	25451..26138, 26676..26773		
GI Descrip.	(AB021263) polyprotein [Arabidopsis thaliana]		

Seq. No.	10511	Seq. ID	OJ990430_33.9924.C3

Gene No.	22275	Strand	-
Start	22318	End	26773
Name	OJ990430_33.9924.C3.o6.tm	Method	TBLASTX:Maize
Start	25461	End	25810
GI	none	Score	40
Exons	25461..25499, 25463..25498, 25499..25810, 25503..25688, 25749..25802		

Seq. No.	10511	Seq. ID	OJ990430_33.9924.C3
Gene No.	22275	Strand	-
Start	22318	End	26773
Name	OJ990430_33.9924.C3.o2.ts	Method	TBLASTX:Soybean
Start	25496	End	26100
GI	none	Score	90
Exons	25496..25678, 25505..25681, 25563..25799, 25709..25816, 25811..25903, 25822..26100, 25823..25903, 25973..26080		

Seq. No.	10511	Seq. ID	OJ990430_33.9924.C3
Gene No.	22275	Strand	-
Start	22318	End	26773
Name	OJ990430_33.9924.C3.o4.tm	Method	TBLASTX:Maize
Start	25811	End	26140
GI	none	Score	191
Exons	25811..26140, 25822..26139		

Seq. No.	10511	Seq. ID	OJ990430_33.9924.C3
Gene No.	22275	Strand	-
Start	22318	End	26773
Name	OJ990430_33.9924.C3.o3.tw	Method	TBLASTX:Wheat
Start	25864	End	26149
GI	none	Score	66
Exons	25864..26130, 26009..26149		

Seq. No.	10512	Seq. ID	OJ990430_33.9924.C4
Gene No.	22276	Strand	-
Start	3772	End	3874
Name	OJ990430_33.9924.C4.o1.gp	Method	AAT/GAP
Start	3772	End	3874
GI	LIB3477-003-P1-K1-E9	Score	125
Exons	3772..3874		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	10512	Seq. ID	OJ990430_33.9924.C4
Gene No.	22277	Strand	-
Start	6764	End	7609
Name	OJ990430_33.9924.C4.o1.np	Method	AAT/NAP
Start	6764	End	7609
GI	5295955	Score	386
Exons	6764..6877, 6905..7354, 7394..7609		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	10513	Seq. ID	OJ990430_33.9924.C5
Gene No.	22278	Strand	-
Start	1	End	1503

Name	OJ990430_33.9924.C5.o1.np	Method	AAT/NAP
Start	1	End	1503
GI	5295955	Score	250
Exons	1..28, 709..823, 1366..1503		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	10513	Seq. ID	OJ990430_33.9924.C5
Gene No.	22278	Strand	-
Start	1	End	1503
Name	OJ990430_33.9924.C5.o1.gs	Method	GENSCAN
Start	204	End	823
GI	none	Score	.64
Exons	204..292, 700..823		

Seq. No.	10514	Seq. ID	OJ990430_33.9924.C6
Gene No.	22279	Strand	+
Start	1	End	416
Name	OJ990430_33.9924.C6.o1.np	Method	AAT/NAP
Start	1	End	413
GI	417719	Score	491
Exons	1..413		
GI Descrip.	40S RIBOSOMAL PROTEIN S3 gi|2144763|pir||R3HUS3 ribosomal protein S3 - human gi|233042|bbs|42659 (S42658) S3 ribosomal protein [human, colon, Peptide, 243 aa] [Homo sapiens] gi|555941 (U14990) ribosomal protein S3 [Homo sapiens] gi|555943 (U14991) ribosomal protein S3 [Homo sapiens] gi|555945 (U14992) ribosomal protein S3 [Homo sapiens]		

Seq. No.	10514	Seq. ID	OJ990430_33.9924.C6
Gene No.	22279	Strand	+
Start	1	End	416
Name	OJ990430_33.9924.C6.o1.gs	Method	GENSCAN
Start	45	End	416
GI	none	Score	.87
Exons	45..416		

Seq. No.	10514	Seq. ID	OJ990430_33.9924.C6
Gene No.	22280	Strand	+
Start	527	End	606
Name	OJ990430_33.9924.C6.o1.tm	Method	TBLASTX:Maize
Start	117	End	415
GI	none	Score	501
Exons	117..413, 119..415		

Seq. No.	10514	Seq. ID	OJ990430_33.9924.C6
Gene No.	22280	Strand	+
Start	527	End	606
Name	OJ990430_33.9924.C6.o1.ts	Method	TBLASTX:Soybean
Start	117	End	349
GI	none	Score	69
Exons	117..173, 119..172, 173..349, 174..332		

Seq. No.	10514	Seq. ID	OJ990430_33.9924.C6
Gene No.	22280	Strand	+
Start	527	End	606
Name	OJ990430_33.9924.C6.o1.tc	Method	TBLASTX:Cress

Start	120	End	350
GI	none	Score	281
Exons	120..350, 122..331		

Seq. No.	10514	Seq. ID	OJ990430_33.9924.C6
Gene No.	22280	Strand	+
Start	527	End	606
Name	OJ990430_33.9924.C6.o1.tw	Method	TBLASTX:Wheat
Start	153	End	358
GI	none	Score	228
Exons	153..332, 164..358		

Seq. No.	10514	Seq. ID	OJ990430_33.9924.C6
Gene No.	22280	Strand	+
Start	527	End	606
Name	OJ990430_33.9924.C6.o2.np	Method	AAT/NAP
Start	527	End	606
GI	2290180	Score	82
Exons	527..606		
GI Descrip.	(U84883) envelope glycoprotein [Human immunodeficiency virus type 1]		

Seq. No.	10515	Seq. ID	OJ990430_33.9924.C7
Gene No.	22281	Strand	+
Start	1	End	299
Name	OJ990430_33.9924.C7.o1.np	Method	AAT/NAP
Start	1	End	299
GI	5306249	Score	142
Exons	1..299		
GI Descrip.	(AC006438) unknown protein [Arabidopsis thaliana]		

Seq. No.	10515	Seq. ID	OJ990430_33.9924.C7
Gene No.	22282	Strand	+
Start	15255	End	16513
Name	OJ990430_33.9924.C7.o6.np	Method	AAT/NAP
Start	15249	End	16513
GI	1431629	Score	451
Exons	15249..15375, 15513..15595, 15701..15830, 16169..16248, 16354..16513		
GI Descrip.	(X99348) pectinacetylesterase precursor [Vigna radiata]		

Seq. No.	10515	Seq. ID	OJ990430_33.9924.C7
Gene No.	22282	Strand	+
Start	15255	End	16513
Name	OJ990430_33.9924.C7.o3.gs	Method	GENSCAN
Start	15255	End	16248
GI	none	Score	.77
Exons	15255..15375, 15463..15491, 15701..15830, 16169..16248		

Seq. No.	10515	Seq. ID	OJ990430_33.9924.C7
Gene No.	22283	Strand	-
Start	1	End	11819
Name	OJ990430_33.9924.C7.o3.np	Method	AAT/NAP
Start	1	End	6537
GI	4378066	Score	1027
Exons	1..41, 3303..5721, 6065..6537		
GI Descrip.	(AF098806) polyprotein [Sorghum bicolor]		

gi|4680208|gb|AAD27571.1|AF114171_12 (AF114171) polyprotein [Sorghum bicolor]

Seq. No.	10515	Seq. ID	OJ990430_33.9924.C7
Gene No.	22283	Strand	-
Start	1	End	11819
Name	OJ990430_33.9924.C7.o1.gs	Method	GENSCAN
Start	842	End	2315
GI	none	Score	.62
Exons	842..1096, 1125..1237, 1584..1962, 2040..2315		

Seq. No.	10515	Seq. ID	OJ990430_33.9924.C7
Gene No.	22283	Strand	-
Start	1	End	11819
Name	OJ990430_33.9924.C7.o2.np	Method	AAT/NAP
Start	845	End	2714
GI	3335373	Score	212
Exons	845..1159, 2646..2714		
GI Descrip.	(AC003028) putative GT-1-like transcription factor [Arabidopsis thaliana]		

Seq. No.	10515	Seq. ID	OJ990430_33.9924.C7
Gene No.	22283	Strand	-
Start	1	End	11819
Name	OJ990430_33.9924.C7.o2.gs	Method	GENSCAN
Start	3205	End	11819
GI	none	Score	.49
Exons	3205..4665, 4774..5028, 5049..5289, 5354..5883, 6025..6429, 6458..6885, 8454..8662, 9140..9509, 9791..9968, 10035..10239, 10332..10450, 10641..10861, 11197..11370, 11393..11819		

Seq. No.	10515	Seq. ID	OJ990430_33.9924.C7
Gene No.	22283	Strand	-
Start	1	End	11819
Name	OJ990430_33.9924.C7.o3.tw	Method	TBLASTX:Wheat
Start	3301	End	3499
GI	none	Score	59
Exons	3301..3498, 3367..3495, 3425..3499		

Seq. No.	10515	Seq. ID	OJ990430_33.9924.C7
Gene No.	22283	Strand	-
Start	1	End	11819
Name	OJ990430_33.9924.C7.o1.tm	Method	TBLASTX:Maize
Start	3469	End	3826
GI	none	Score	208
Exons	3469..3825, 3470..3826		

Seq. No.	10515	Seq. ID	OJ990430_33.9924.C7
Gene No.	22283	Strand	-
Start	1	End	11819
Name	OJ990430_33.9924.C7.o1.tw	Method	TBLASTX:Wheat
Start	3499	End	3954
GI	none	Score	243
Exons	3499..3954, 3500..3928		

Seq. No.	10515	Seq. ID	OJ990430_33.9924.C7
Gene No.	22283	Strand	-

Start	1	End	11819
Name	OJ990430_33.9924.C7.o2.tw	Method	TBLASTX:Wheat
Start	4159	End	4518
GI	none	Score	102
Exons	4159..4380, 4160..4381, 4387..4518		

Seq. No.	10515	Seq. ID	OJ990430_33.9924.C7
Gene No.	22283	Strand	-
Start	1	End	11819
Name	OJ990430_33.9924.C7.o4.tw	Method	TBLASTX:Wheat
Start	5365	End	5655
GI	none	Score	176
Exons	5365..5655		

Seq. No.	10515	Seq. ID	OJ990430_33.9924.C7
Gene No.	22284	Strand	
Start	15508	End	16452
Name	OJ990430_33.9924.C7.o1.tc	Method	TBLASTX:Cress
Start	15508	End	16248
GI	none	Score	119
Exons	15508..15594, 15512..15595, 15701..15829, 16152..16247, 16153..16248, 16165..16248		

Seq. No.	10515	Seq. ID	OJ990430_33.9924.C7
Gene No.	22284	Strand	
Start	15508	End	16452
Name	OJ990430_33.9924.C7.o2.tm	Method	TBLASTX:Maize
Start	15508	End	16201
GI	none	Score	82
Exons	15508..15597, 15508..15594, 15510..15596, 15512..15652, 15698..15826, 15701..15829, 15721..15828, 16165..16200, 16166..16201		

Seq. No.	10515	Seq. ID	OJ990430_33.9924.C7
Gene No.	22284	Strand	
Start	15508	End	16452
Name	OJ990430_33.9924.C7.o1.ts	Method	TBLASTX:Soybean
Start	15508	End	16452
GI	none	Score	135
Exons	15508..15585, 15512..15595, 15512..15601, 15693..15812, 15701..15829, 15721..15828, 16158..16253, 16164..16253, 16165..16254, 16276..16452, 16371..16433		

Seq. No.	10516	Seq. ID	OJ990430_33.9924.C8
Gene No.	22285	Strand	+
Start	1	End	18030
Name	OJ990430_33.9924.C8.o1.np	Method	AAT/NAP
Start	1	End	1179
GI	1431629	Score	438
Exons	1..20, 155..208, 301..378, 574..679, 780..925, 1054..1179		
GI Descrip.	(X99348) pectinacetylesterase precursor [Vigna radiata]		

Seq. No.	10516	Seq. ID	OJ990430_33.9924.C8
Gene No.	22285	Strand	+
Start	1	End	18030
Name	OJ990430_33.9924.C8.o1.gs	Method	GENSCAN
Start	206	End	5346

GI	none	Score	.5
Exons	206..208, 574..679, 780..925, 1350..1481, 1518..1752, 3366..3449, 4372..4511, 5284..5346		

Seq. No.	10516	Seq. ID	OJ990430_33.9924.C8
Gene No.	22285	Strand	+
Start	1	End	18030
Name	OJ990430_33.9924.C8.o3.np	Method	AAT/NAP
Start	1565	End	18030
GI	119714	Score	190
Exons	1565..1717, 10272..10718, 14075..14243, 14779..15293, 15997..16087, 17997..18030		
GI Descrip.	EXTENSIN PRECURSOR (CELL WALL HYDROXYPROLINE-RICH GLYCOPROTEIN) gi|82169|pir||S06733 hydroxyproline-rich glycoprotein precursor - common tobacco gi|19867|emb|CAA32090| (X13885) extensin (AA 1-620) [Nicotiana tabacum]		

Seq. No.	10516	Seq. ID	OJ990430_33.9924.C8
Gene No.	22286	Strand	-
Start	2360	End	4427
Name	OJ990430_33.9924.C8.o1.gp	Method	AAT/GAP
Start	2360	End	4427
GI	none	Score	1496
Exons	2360..2728, 3266..3525, 4119..4274, 4350..4427		

Seq. No.	10516	Seq. ID	OJ990430_33.9924.C8
Gene No.	22287	Strand	-
Start	4509	End	5052
Name	OJ990430_33.9924.C8.o2.gp	Method	AAT/GAP
Start	4509	End	5052
GI	none	Score	989
Exons	4509..5052		

Seq. No.	10516	Seq. ID	OJ990430_33.9924.C8
Gene No.	22288	Strand	-
Start	5739	End	11614
Name	OJ990430_33.9924.C8.o2.gs	Method	GENSCAN
Start	5739	End	10613
GI	none	Score	.68
Exons	5739..5818, 7043..7219, 7802..7857, 9246..9445, 10533..10613		

Seq. No.	10516	Seq. ID	OJ990430_33.9924.C8
Gene No.	22288	Strand	-
Start	5739	End	11614
Name	OJ990430_33.9924.C8.o2.np	Method	AAT/NAP
Start	5872	End	11614
GI	2854117	Score	637
Exons	5872..5946, 6190..6490, 7089..7142, 7345..7477, 7644..7678, 7776..7846, 7932..8021, 8112..8181, 8263..8372, 8458..8611, 9246..9436, 11588..11614		
GI Descrip.	(AF045453) protein kinase YakA [Dictyostelium discoideum]		

Seq. No.	10516	Seq. ID	OJ990430_33.9924.C8
Gene No.	22289	Strand	-
Start	13843	End	27762
Name	OJ990430_33.9924.C8.o4.tm	Method	TBLASTX:Maize
Start	154	End	1279

GI	none	Score	69
Exons	154..207, 155..205, 282..383, 300..380, 301..381, 567..677, 567..680, 571..681, 764..916, 778..978, 1052..1210, 1053..1223, 1054..1224, 1229..1279, 1233..1277, 1237..1278		

Seq. No.	10516	Seq. ID	OJ990430_33.9924.C8
Gene No.	22289	Strand	-
Start	13843	End	27762
Name	OJ990430_33.9924.C8.o2.ts	Method	TBLASTX:Soybean
Start	155	End	1158
GI	none	Score	72
Exons	155..202, 301..381, 567..641, 571..681, 764..931, 778..933, 1053..1148, 1054..1158		

Seq. No.	10516	Seq. ID	OJ990430_33.9924.C8
Gene No.	22289	Strand	-
Start	13843	End	27762
Name	OJ990430_33.9924.C8.o1.tc	Method	TBLASTX:Cress
Start	591	End	1155
GI	none	Score	78
Exons	591..680, 592..681, 764..931, 778..909, 1057..1092, 1108..1155		

Seq. No.	10516	Seq. ID	OJ990430_33.9924.C8
Gene No.	22289	Strand	-
Start	13843	End	27762
Name	OJ990430_33.9924.C8.o5.tm	Method	TBLASTX:Maize
Start	2530	End	3560
GI	none	Score	55
Exons	2530..2559, 2566..2634, 2567..2635, 2649..2672, 2650..2673, 2679..2723, 2688..2717, 3252..3512, 3264..3560, 3265..3516, 3389..3529		

Seq. No.	10516	Seq. ID	OJ990430_33.9924.C8
Gene No.	22289	Strand	-
Start	13843	End	27762
Name	OJ990430_33.9924.C8.o2.tm	Method	TBLASTX:Maize
Start	4453	End	6916
GI	none	Score	39
Exons	4453..4545, 4498..4545, 4548..4664, 4549..4665, 4550..4669, 4670..4765, 4671..4730, 4746..4880, 4746..4925, 4747..4923, 4748..4927, 4748..4951, 4959..4994, 4963..4992, 4964..5011, 4964..5011, 5068..5157, 5096..5161, 5099..5155, 5222..5317, 5231..5317, 5235..5318, 5872..5949, 5873..5935, 5873..5953, 6188..6280, 6189..6284, 6190..6282, 6191..6286, 6781..6912, 6818..6916, 6818..6910, 6820..6915		

Seq. No.	10516	Seq. ID	OJ990430_33.9924.C8
Gene No.	22289	Strand	-
Start	13843	End	27762
Name	OJ990430_33.9924.C8.o3.ts	Method	TBLASTX:Soybean
Start	4739	End	5082
GI	none	Score	65
Exons	4739..4840, 4739..4888, 4746..4886, 4862..4990, 4953..4988, 5013..5081, 5032..5082		

Seq. No.	10516	Seq. ID	OJ990430_33.9924.C8
Gene No.	22289	Strand	-

Start	13843	End	27762
Name	OJ990430_33.9924.C8.o3.tm	Method	TBLASTX:Maize
Start	7001	End	8372
GI	none	Score	77
Exons	7001..7144, 7008..7148, 7008..7157, 7033..7149, 7348..7470, 7349..7471, 7376..7471, 7755..7859, 7777..7875, 7779..7850, 7780..7860, 7917..8045, 7939..8046, 7942..8022, 7943..8044, 8082..8180, 8109..8180, 8257..8337, 8259..8342, 8260..8364, 8261..8365, 8262..8372		

Seq. No.	10516	Seq. ID	OJ990430_33.9924.C8
Gene No.	22289	Strand	-
Start	13843	End	27762
Name	OJ990430_33.9924.C8.o2.tc	Method	TBLASTX:Cress
Start	7951	End	8595
GI	none	Score	66
Exons	7951..8022, 7953..8033, 8262..8390, 8461..8541, 8488..8559, 8521..8595, 8540..8590		

Seq. No.	10516	Seq. ID	OJ990430_33.9924.C8
Gene No.	22289	Strand	-
Start	13843	End	27762
Name	OJ990430_33.9924.C8.o3.gs	Method	GENSCAN
Start	13843	End	15244
GI	none	Score	.63
Exons	13843..14455, 14579..14633, 14668..14917, 15089..15244		

Seq. No.	10516	Seq. ID	OJ990430_33.9924.C8
Gene No.	22289	Strand	-
Start	13843	End	27762
Name	OJ990430_33.9924.C8.o4.np	Method	AAT/NAP
Start	14542	End	17981
GI	4539351	Score	614
Exons	14542..14581, 15975..16083, 16241..16588, 16708..16983, 17159..17233, 17301..17455, 17603..17981		
GI Descrip.	(AL035539) putative protein [Arabidopsis thaliana]		

Seq. No.	10516	Seq. ID	OJ990430_33.9924.C8
Gene No.	22289	Strand	-
Start	13843	End	27762
Name	OJ990430_33.9924.C8.o3.gp	Method	AAT/GAP
Start	15555	End	16408
GI	40140_1.R1084	Score	1257
Exons	15555..16083, 16241..16408		
GI Descrip.	'4539351/emb|CAB37499.1| 5.0e-20 (AL035539) putative protein [Arabidopsis thaliana]'		

Seq. No.	10516	Seq. ID	OJ990430_33.9924.C8
Gene No.	22289	Strand	-
Start	13843	End	27762
Name	OJ990430_33.9924.C8.o1.tm	Method	TBLASTX:Maize
Start	15746	End	16821
GI	none	Score	329
Exons	15746..16084, 15796..15834, 15820..16083, 15947..16093, 16236..16589, 16239..16598, 16240..16596, 16241..16672, 16241..16597, 16693..16782, 16754..16819, 16762..16821		

Seq. No.	10516	Seq. ID	OJ990430_33.9924.C8
Gene No.	22289	Strand	-
Start	13843	End	27762
Name	OJ990430_33.9924.C8.o4.gs	Method	GENSCAN
Start	15796	End	27762
GI	none	Score	.46
Exons	15796..16083, 16241..16539, 16704..16983, 17159..17233, 17301..17455, 17603..17755, 19951..20066, 21031..21244, 21781..21996, 22261..22376, 24824..24925, 25219..25367, 25411..25576, 25699..25857, 25911..26074, 26161..26232, 26688..26744, 27066..27078, 27409..27516, 27614..27762		

Seq. No.	10516	Seq. ID	OJ990430_33.9924.C8
Gene No.	22289	Strand	-
Start	13843	End	27762
Name	OJ990430_33.9924.C8.o4.ts	Method	TBLASTX:Soybean
Start	16316	End	16564
GI	none	Score	137
Exons	16316..16564, 16317..16547		

Seq. No.	10516	Seq. ID	OJ990430_33.9924.C8
Gene No.	22289	Strand	-
Start	13843	End	27762
Name	OJ990430_33.9924.C8.o3.tc	Method	TBLASTX:Cress
Start	16328	End	16788
GI	none	Score	96
Exons	16328..16408, 16410..16589, 16412..16591, 16705..16788		

Seq. No.	10516	Seq. ID	OJ990430_33.9924.C8
Gene No.	22289	Strand	-
Start	13843	End	27762
Name	OJ990430_33.9924.C8.o6.tm	Method	TBLASTX:Maize
Start	16822	End	17397
GI	none	Score	132
Exons	16822..16983, 16822..16983, 16835..17011, 17157..17234, 17159..17236, 17164..17241, 17293..17397, 17298..17396		

Seq. No.	10516	Seq. ID	OJ990430_33.9924.C8
Gene No.	22289	Strand	-
Start	13843	End	27762
Name	OJ990430_33.9924.C8.o1.ts	Method	TBLASTX:Soybean
Start	16879	End	17462
GI	none	Score	79
Exons	16879..16983, 17157..17234, 17159..17242, 17290..17445, 17297..17449, 17298..17459, 17298..17462		

Seq. No.	10516	Seq. ID	OJ990430_33.9924.C8
Gene No.	22289	Strand	-
Start	13843	End	27762
Name	OJ990430_33.9924.C8.o4.gp	Method	AAT/GAP
Start	17303	End	17809
GI	427720	Score	685
Exons	17303..17455, 17603..17809		
GI Descrip.	4539351/emb|CAB37499.1| 5.0e-20 (AL035539) putative protein [Arabidopsis thaliana]		

Seq. No.	10516	Seq. ID	OJ990430_33.9924.C8

Gene No.	22289	Strand	-
Start	13843	End	27762
Name	OJ990430_33.9924.C8.o8.tm	Method	TBLASTX:Maize
Start	17754	End	20026
GI	none	Score	66
Exons	17754..17828, 17754..17834, 17831..17896, 17880..18017, 17905..17940, 17910..18014, 17956..18018, 19952..20008, 19952..20026		

Seq. No.	10516	Seq. ID	OJ990430_33.9924.C8
Gene No.	22289	Strand	-
Start	13843	End	27762
Name	OJ990430_33.9924.C8.o5.np	Method	AAT/NAP
Start	27429	End	27655
GI	2827661	Score	125
Exons	27429..27655		
GI Descrip.	(AL021637) hyuC-like protein [Arabidopsis thaliana]		

Seq. No.	10516	Seq. ID	OJ990430_33.9924.C8
Gene No.	22289	Strand	-
Start	13843	End	27762
Name	OJ990430_33.9924.C8.o7.tm	Method	TBLASTX:Maize
Start	27466	End	27654
GI	none	Score	164
Exons	27466..27654, 27471..27653		

Seq. No.	10517	Seq. ID	OJ990430_33.9924.C9
Gene No.	22290	Strand	-
Start	677	End	6520
Name	OJ990430_33.9924.C9.o1.gs	Method	GENSCAN
Start	677	End	6520
GI	none	Score	.6
Exons	677..727, 2288..2388, 2415..2623, 3265..3342, 5170..5306, 5467..5560, 6008..6178, 6498..6520		

Seq. No.	10517	Seq. ID	OJ990430_33.9924.C9
Gene No.	22290	Strand	-
Start	677	End	6520
Name	OJ990430_33.9924.C9.o1.tm	Method	TBLASTX:Maize
Start	1887	End	2626
GI	none	Score	66
Exons	1887..1970, 1929..1970, 1930..1971, 2139..2192, 2141..2203, 2292..2390, 2297..2389, 2452..2529, 2453..2626, 2454..2621, 2581..2622, 2591..2626		

Seq. No.	10517	Seq. ID	OJ990430_33.9924.C9
Gene No.	22290	Strand	-
Start	677	End	6520
Name	OJ990430_33.9924.C9.o1.np	Method	AAT/NAP
Start	2144	End	5982
GI	5922624	Score	533
Exons	2144..2206, 2288..2388, 2466..2623, 3265..3345, 5170..5306, 5467..5560, 5773..5982		
GI Descrip.	(AP000492) ESTs C97742(C62458),AU078102(C62458) correspond to a region of the predicted gene.; similar to syntaxin related protein AtVam3p (U88045) [Oryza sativa] gi|6016857|dbj|BAA85200.1| (AP000570) ESTs		

C97742(C62458),AU078102(C62458) correspond to a region of the predicted gene.; Similar to syntaxin related protein AtVam3p (U88045) [Oryza sativa]

Seq. No.	10517	Seq. ID	OJ990430_33.9924.C9
Gene No.	22290	Strand	-
Start	677	End	6520
Name	OJ990430_33.9924.C9.o1.gp	Method	AAT/GAP
Start	4496	End	4825
GI	92678_1.R1084	Score	639
Exons	4496..4825		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 9.0e-67 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	10518	Seq. ID	OJ990430_33.9924.C10
Gene No.	22291	Strand	+
Start	54	End	1314
Name	OJ990430_33.9924.C10.o1.gs	Method	GENSCAN
Start	54	End	1314
GI	none	Score	.8
Exons	54..267, 585..907, 977..1037, 1295..1314		

Seq. No.	10518	Seq. ID	OJ990430_33.9924.C10
Gene No.	22292	Strand	+
Start	1745	End	2095
Name	OJ990430_33.9924.C10.o2.gs	Method	GENSCAN
Start	1745	End	2095
GI	none	Score	.98
Exons	1745..2095		

Seq. No.	10518	Seq. ID	OJ990430_33.9924.C10
Gene No.	22293	Strand	-
Start	1	End	2118
Name	OJ990430_33.9924.C10.o1.np	Method	AAT/NAP
Start	1	End	2118
GI	6715441	Score	79
Exons	1..162, 411..558, 1653..1742, 2096..2118		
GI Descrip.	(AF218052) protoporphyrinogen IX oxidase [Zea mays]		

Seq. No.	10519	Seq. ID	OJ990430_33.9924.C11
Gene No.	22294	Strand	+
Start	49	End	156
Name	OJ990430_33.9924.C11.o1.gs	Method	GENSCAN
Start	49	End	156
GI	none	Score	.7
Exons	49..156		

Seq. No.	10519	Seq. ID	OJ990430_33.9924.C11
Gene No.	22295	Strand	+
Start	2926	End	3627
Name	OJ990430_33.9924.C11.o2.gs	Method	GENSCAN
Start	2926	End	3627
GI	none	Score	.5
Exons	2926..2965, 3001..3408, 3509..3627		

Seq. No.	10519	Seq. ID	OJ990430_33.9924.C11
Gene No.	22296	Strand	+

Start	3985	End	5251
Name	OJ990430_33.9924.C11.o1.gp	Method	AAT/GAP
Start	3985	End	5251
GI	75163_1.R1084	Score	1982
Exons	3985..4389, 4494..4702, 4812..5251		
GI Descrip.	'3046815/emb|CAA16713.1| 3.0e-55 (AL021687) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	10519	Seq. ID	OJ990430_33.9924.C11
Gene No.	22296	Strand	+
Start	3985	End	5251
Name	OJ990430_33.9924.C11.o3.gs	Method	GENSCAN
Start	4276	End	5097
GI	none	Score	.97
Exons	4276..4389, 4494..4702, 4812..5097		

Seq. No.	10519	Seq. ID	OJ990430_33.9924.C11
Gene No.	22297	Strand	+
Start	8454	End	8833
Name	OJ990430_33.9924.C11.o5.gs	Method	GENSCAN
Start	8454	End	8833
GI	none	Score	.85
Exons	8454..8564, 8810..8833		

Seq. No.	10519	Seq. ID	OJ990430_33.9924.C11
Gene No.	22298	Strand	-
Start	6116	End	6954
Name	OJ990430_33.9924.C11.o4.gs	Method	GENSCAN
Start	6116	End	6954
GI	none	Score	.57
Exons	6116..6208, 6859..6954		

Seq. No.	10519	Seq. ID	OJ990430_33.9924.C11
Gene No.	22299	Strand	-
Start	9243	End	9608
Name	OJ990430_33.9924.C11.o6.gs	Method	GENSCAN
Start	9243	End	9484
GI	none	Score	.86
Exons	9243..9484		

Seq. No.	10519	Seq. ID	OJ990430_33.9924.C11
Gene No.	22299	Strand	-
Start	9243	End	9608
Name	OJ990430_33.9924.C11.o2.np	Method	AAT/NAP
Start	9251	End	9608
GI	6016696	Score	196
Exons	9251..9608		
GI Descrip.	(AC009991) unknown protein [Arabidopsis thaliana]		

Seq. No.	10520	Seq. ID	OJ990430_33.9924.C12
Gene No.	22300	Strand	+
Start	6589	End	8596
Name	OJ990430_33.9924.C12.o2.gs	Method	GENSCAN
Start	6589	End	8596
GI	none	Score	.47
Exons	6589..6603, 6890..6925, 7122..7434, 7748..7964, 8146..8432, 8583..8596		

Seq. No.	10520	Seq. ID	OJ990430_33.9924.C12
Gene No.	22301	Strand	+
Start	10615	End	13253
Name	OJ990430_33.9924.C12.o1.np	Method	AAT/NAP
Start	10609	End	12447
GI	3046815	Score	1422
Exons	10609..11145, 11250..11633, 11714..11882, 12064..12170, 12326..12447		
GI Descrip.	(AL021687) cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	10520	Seq. ID	OJ990430_33.9924.C12
Gene No.	22301	Strand	+
Start	10615	End	13253
Name	OJ990430_33.9924.C12.o3.gs	Method	GENSCAN
Start	10615	End	12550
GI	none	Score	.99
Exons	10615..11145, 11250..11633, 11714..11882, 12064..12170, 12326..12550		

Seq. No.	10520	Seq. ID	OJ990430_33.9924.C12
Gene No.	22301	Strand	+
Start	10615	End	13253
Name	OJ990430_33.9924.C12.o1.gp	Method	AAT/GAP
Start	10684	End	11114
GI	5667179	Score	839
Exons	10684..11114		
GI Descrip.	3046815/emb|CAA16713.1| 3.0e-55 (AL021687) cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	10520	Seq. ID	OJ990430_33.9924.C12
Gene No.	22301	Strand	+
Start	10615	End	13253
Name	OJ990430_33.9924.C12.o2.gp	Method	AAT/GAP
Start	11112	End	11796
GI	uC-osroM202035f11b1	Score	922
Exons	11112..11145, 11250..11633, 11714..11796		
GI Descrip.	'3046815/emb|CAA16713.1| 3.0e-55 (AL021687) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	10520	Seq. ID	OJ990430_33.9924.C12
Gene No.	22301	Strand	+
Start	10615	End	13253
Name	OJ990430_33.9924.C12.o3.gp	Method	AAT/GAP
Start	12341	End	13253
GI	19379_1.R1084	Score	1799
Exons	12341..13253		
GI Descrip.	'3461849 6.0e-18 (AC005315) putative cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	10520	Seq. ID	OJ990430_33.9924.C12
Gene No.	22302	Strand	-
Start	241	End	5645
Name	OJ990430_33.9924.C12.o1.gs	Method	GENSCAN
Start	241	End	5645
GI	none	Score	.43
Exons	241..653, 1148..1160, 3243..3348, 4281..4410, 4453..4703,		

5123..5246, 5447..5496, 5638..5645

Seq. No.	10520	Seq. ID	OJ990430_33.9924.C12
Gene No.	22303	Strand	-
Start	14110	End	14700
Name	OJ990430_33.9924.C12.o2.tm	Method	TBLASTX:Maize
Start	10588	End	10940
GI	none	Score	90
Exons	10588..10713, 10657..10938, 10659..10940, 10776..10940		

Seq. No.	10520	Seq. ID	OJ990430_33.9924.C12
Gene No.	22303	Strand	-
Start	14110	End	14700
Name	OJ990430_33.9924.C12.o1.ts	Method	TBLASTX:Soybean
Start	10722	End	12535
GI	none	Score	119
Exons	10722..10784, 10723..10815, 10786..10908, 10794..10907, 10890..11153, 10906..11145, 11207..11440, 11241..11459, 11469..11633, 11480..11635, 11708..11884, 11785..11883, 12044..12169, 12063..12176, 12304..12519, 12311..12535		

Seq. No.	10520	Seq. ID	OJ990430_33.9924.C12
Gene No.	22303	Strand	-
Start	14110	End	14700
Name	OJ990430_33.9924.C12.o1.tc	Method	TBLASTX:Cress
Start	10723	End	11007
GI	none	Score	114
Exons	10723..10818, 10725..10784, 10765..11007, 10788..11000		

Seq. No.	10520	Seq. ID	OJ990430_33.9924.C12
Gene No.	22303	Strand	-
Start	14110	End	14700
Name	OJ990430_33.9924.C12.o1.tm	Method	TBLASTX:Maize
Start	10941	End	11805
GI	none	Score	305
Exons	10941..11141, 10942..11142, 11098..11142, 11180..11443, 11249..11461, 11250..11462, 11377..11460, 11442..11630, 11480..11635, 11714..11803, 11728..11805		

Seq. No.	10520	Seq. ID	OJ990430_33.9924.C12
Gene No.	22303	Strand	-
Start	14110	End	14700
Name	OJ990430_33.9924.C12.o3.tm	Method	TBLASTX:Maize
Start	11807	End	12906
GI	none	Score	126
Exons	11807..11884, 11807..11881, 11872..11955, 12032..12172, 12063..12176, 12063..12176, 12303..12416, 12304..12381, 12304..12534, 12311..12535, 12320..12535, 12867..12905, 12868..12906		

Seq. No.	10520	Seq. ID	OJ990430_33.9924.C12
Gene No.	22303	Strand	-
Start	14110	End	14700
Name	OJ990430_33.9924.C12.o4.gs	Method	GENSCAN
Start	14110	End	14700
GI	none	Score	.82
Exons	14110..14129, 14572..14700		

Seq. No.	10521	Seq. ID	OJ990430_33.9924.C13
Gene No.	22304	Strand	+
Start	972	End	1136
Name	OJ990430_33.9924.C13.o1.gs	Method	GENSCAN
Start	972	End	1136
GI	none	Score	.66
Exons	972..1136		

Seq. No.	10522	Seq. ID	OJ990430_33.9924.C14
Gene No.	22305	Strand	-
Start	1	End	258
Name	OJ990430_33.9924.C14.o1.np	Method	AAT/NAP
Start	1	End	258
GI	2498930	Score	74
Exons	1..22, 190..258		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	10522	Seq. ID	OJ990430_33.9924.C14
Gene No.	22306	Strand	-
Start	190	End	249
Name	OJ990430_33.9924.C14.o1.gs	Method	GENSCAN
Start	190	End	249
GI	none	Score	.98
Exons	190..249		

Seq. No.	10523	Seq. ID	OJ990430_33.9924.C16
Gene No.	22307	Strand	+
Start	1	End	794
Name	OJ990430_33.9924.C16.o1.np	Method	AAT/NAP
Start	1	End	794
GI	6815062	Score	315
Exons	1..250, 336..575, 634..794		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	10523	Seq. ID	OJ990430_33.9924.C16
Gene No.	22307	Strand	+
Start	1	End	794
Name	OJ990430_33.9924.C16.o1.tm	Method	TBLASTX:Maize
Start	2	End	793
GI	none	Score	109
Exons	2..91, 6..95, 374..544, 385..543, 428..544, 632..718, 758..793		

Seq. No.	10523	Seq. ID	OJ990430_33.9924.C16
Gene No.	22307	Strand	+
Start	1	End	794
Name	OJ990430_33.9924.C16.o1.gs	Method	GENSCAN
Start	450	End	741
GI	none	Score	.69
Exons	450..543, 649..741		

Seq. No.	10524	Seq. ID	OJ990430_32.9924.C1
Gene No.	22308	Strand	+
Start	74	End	676

Name	OJ990430_32.9924.C1.o1.gs	Method	GENSCAN
Start	74	End	676
GI	none	Score	.79
Exons	74..676		

Seq. No.	10524	Seq. ID	OJ990430_32.9924.C1
Gene No.	22309	Strand	-
Start	1338	End	2815
Name	OJ990430_32.9924.C1.o1.tm	Method	TBLASTX:Maize
Start	63	End	619
GI	none	Score	37
Exons	63..92, 65..100, 119..310, 119..223, 320..439, 328..441, 458..502, 500..577, 584..619		

Seq. No.	10524	Seq. ID	OJ990430_32.9924.C1
Gene No.	22309	Strand	-
Start	1338	End	2815
Name	OJ990430_32.9924.C1.o2.gs	Method	GENSCAN
Start	1338	End	2815
GI	none	Score	.6
Exons	1338..1460, 1540..1680, 1814..1899, 2701..2815		

Seq. No.	10525	Seq. ID	OJ990430_32.9924.C2
Gene No.	22310	Strand	+
Start	3809	End	6113
Name	OJ990430_32.9924.C2.o2.gs	Method	GENSCAN
Start	3809	End	6113
GI	none	Score	.49
Exons	3809..4421, 4704..4855, 5754..6113		

Seq. No.	10525	Seq. ID	OJ990430_32.9924.C2
Gene No.	22311	Strand	-
Start	7310	End	22793
Name	OJ990430_32.9924.C2.o3.gs	Method	GENSCAN
Start	7310	End	22771
GI	none	Score	.62
Exons	7310..8153, 8453..8549, 8586..8685, 9485..9551, 15208..15501, 15627..15774, 16011..16131, 16198..16478, 17720..17804, 17938..18136, 18383..18524, 18981..19118, 19344..19589, 21178..21382, 22272..22339, 22708..22771		

Seq. No.	10525	Seq. ID	OJ990430_32.9924.C2
Gene No.	22311	Strand	-
Start	7310	End	22793
Name	OJ990430_32.9924.C2.o2.np	Method	AAT/NAP
Start	8144	End	8782
GI	130593	Score	300
Exons	8144..8782		
GI Descrip.	ENZYMATIC POLYPROTEIN [CONTAINS: ASPARTIC PROTEASE ; ENDONUCLEASE; REVERSE TRANSCRIPTASE] gi|76775|pir||S00854 hypothetical protein 5 - carnation etched ring virus gi|58863|emb|CAA28360| (X04658) pot. ORF 5 (AA 1-659) [Carnation etched ring virus] gi|225356|prf||1301227E ORF 5 [Carnation etched ring virus]		

Seq. No.	10525	Seq. ID	OJ990430_32.9924.C2
Gene No.	22311	Strand	-

Start	7310	End	22793
Name	OJ990430_32.9924.C2.o1.gp	Method	AAT/GAP
Start	8938	End	9393
GI	LIB3432-059-P1-K1-D8	Score	733
Exons	8938..9393		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	10525	Seq. ID	OJ990430_32.9924.C2
Gene No.	22311	Strand	-
Start	7310	End	22793
Name	OJ990430_32.9924.C2.o1.tm	Method	TBLASTX:Maize
Start	15049	End	15524
GI	none	Score	131
Exons	15049..15210, 15079..15219, 15267..15524, 15269..15523		

Seq. No.	10525	Seq. ID	OJ990430_32.9924.C2
Gene No.	22311	Strand	-
Start	7310	End	22793
Name	OJ990430_32.9924.C2.o3.np	Method	AAT/NAP
Start	22393	End	22793
GI	5042454	Score	135
Exons	22393..22446, 22709..22793		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	10526	Seq. ID	OJ990430_32.9924.C3
Gene No.	22312	Strand	+
Start	675	End	3965
Name	OJ990430_32.9924.C3.o1.gs	Method	GENSCAN
Start	675	End	3965
GI	none	Score	.68
Exons	675..1395, 1518..1935, 2030..3965		

Seq. No.	10526	Seq. ID	OJ990430_32.9924.C3
Gene No.	22312	Strand	+
Start	675	End	3965
Name	OJ990430_32.9924.C3.o1.np	Method	AAT/NAP
Start	675	End	3962
GI	6907089	Score	5090
Exons	675..1935, 2030..3962		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	10526	Seq. ID	OJ990430_32.9924.C3
Gene No.	22313	Strand	-
Start	3973	End	4436
Name	OJ990430_32.9924.C3.o1.gp	Method	AAT/GAP
Start	3973	End	4436
GI	2428323	Score	670
Exons	3973..4436		
GI Descrip.	5803242/dbj|AP000399.1|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04		

Seq. No.	10526	Seq. ID	OJ990430_32.9924.C3
Gene No.	22314	Strand	-
Start	4594	End	11713
Name	OJ990430_32.9924.C3.o2.tw	Method	TBLASTX:Wheat
Start	3142	End	7743

GI	none	Score	58
Exons	3142..3288, 7319..7504, 7324..7530, 7512..7742, 7513..7743		

Seq. No.	10526	Seq. ID	OJ990430_32.9924.C3
Gene No.	22314	Strand	-
Start	4594	End	11713
Name	OJ990430_32.9924.C3.o2.gs	Method	GENSCAN
Start	4594	End	8258
GI	none	Score	.64
Exons	4594..6147, 6214..7365, 7488..8258		

Seq. No.	10526	Seq. ID	OJ990430_32.9924.C3
Gene No.	22314	Strand	-
Start	4594	End	11713
Name	OJ990430_32.9924.C3.o5.tm	Method	TBLASTX:Maize
Start	4594	End	4737
GI	none	Score	129
Exons	4594..4737, 4598..4732		

Seq. No.	10526	Seq. ID	OJ990430_32.9924.C3
Gene No.	22314	Strand	-
Start	4594	End	11713
Name	OJ990430_32.9924.C3.o2.np	Method	AAT/NAP
Start	4597	End	10242
GI	6498441	Score	6922
Exons	4597..4878, 4972..6369, 6541..6837, 7030..7456, 7630..7764, 7948..8321, 8385..8848, 9179..10242		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	10526	Seq. ID	OJ990430_32.9924.C3
Gene No.	22314	Strand	-
Start	4594	End	11713
Name	OJ990430_32.9924.C3.o6.tw	Method	TBLASTX:Wheat
Start	4606	End	5208
GI	none	Score	74
Exons	4606..4731, 4610..4732, 4762..4821, 4898..5206, 4924..5208, 4925..5203		

Seq. No.	10526	Seq. ID	OJ990430_32.9924.C3
Gene No.	22314	Strand	-
Start	4594	End	11713
Name	OJ990430_32.9924.C3.o4.tw	Method	TBLASTX:Wheat
Start	5209	End	5590
GI	none	Score	159
Exons	5209..5589, 5240..5488, 5248..5586, 5534..5590		

Seq. No.	10526	Seq. ID	OJ990430_32.9924.C3
Gene No.	22314	Strand	-
Start	4594	End	11713
Name	OJ990430_32.9924.C3.o2.tm	Method	TBLASTX:Maize
Start	5401	End	5727
GI	none	Score	211
Exons	5401..5727, 5417..5698		

Seq. No.	10526	Seq. ID	OJ990430_32.9924.C3

Gene No.	22314	Strand	-
Start	4594	End	11713
Name	OJ990430_32.9924.C3.o8.tw	Method	TBLASTX:Wheat
Start	5920	End	6232
GI	none	Score	72
Exons	5920..6180, 6056..6232		

Seq. No.	10526	Seq. ID	OJ990430_32.9924.C3
Gene No.	22314	Strand	-
Start	4594	End	11713
Name	OJ990430_32.9924.C3.o2.ts	Method	TBLASTX:Soybean
Start	5980	End	6546
GI	5666795	Score	68
Exons	5980..6180, 6235..6372, 6448..6546		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	10526	Seq. ID	OJ990430_32.9924.C3
Gene No.	22314	Strand	-
Start	4594	End	11713
Name	OJ990430_32.9924.C3.o5.tw	Method	TBLASTX:Wheat
Start	6235	End	6693
GI	none	Score	88
Exons	6235..6384, 6236..6373, 6418..6669, 6419..6604, 6439..6693		

Seq. No.	10526	Seq. ID	OJ990430_32.9924.C3
Gene No.	22314	Strand	-
Start	4594	End	11713
Name	OJ990430_32.9924.C3.o1.ts	Method	TBLASTX:Soybean
Start	7294	End	7664
GI	none	Score	83
Exons	7294..7524, 7521..7664, 7522..7647		

Seq. No.	10526	Seq. ID	OJ990430_32.9924.C3
Gene No.	22314	Strand	-
Start	4594	End	11713
Name	OJ990430_32.9924.C3.o3.tm	Method	TBLASTX:Maize
Start	7417	End	7800
GI	none	Score	201
Exons	7417..7527, 7515..7799, 7516..7800		

Seq. No.	10526	Seq. ID	OJ990430_32.9924.C3
Gene No.	22314	Strand	-
Start	4594	End	11713
Name	OJ990430_32.9924.C3.o1.tm	Method	TBLASTX:Maize
Start	7827	End	8183
GI	none	Score	120
Exons	7827..8132, 7827..8183, 7837..8148		

Seq. No.	10526	Seq. ID	OJ990430_32.9924.C3
Gene No.	22314	Strand	-
Start	4594	End	11713
Name	OJ990430_32.9924.C3.o1.tw	Method	TBLASTX:Wheat
Start	7851	End	8313
GI	none	Score	226
Exons	7851..8312, 7857..8312, 7858..8313		

Seq. No.	10526	Seq. ID	OJ990430_32.9924.C3

Gene No.	22314	Strand	-
Start	4594	End	11713
Name	OJ990430_32.9924.C3.o3.gs	Method	GENSCAN
Start	8322	End	11357
GI	none	Score	.72
Exons	8322..9665, 9683..9795, 9949..10320, 10382..10766, 10823..10927, 11295..11357		

Seq. No.	10526	Seq. ID	OJ990430_32.9924.C3
Gene No.	22314	Strand	-
Start	4594	End	11713
Name	OJ990430_32.9924.C3.o3.tw	Method	TBLASTX:Wheat
Start	8478	End	8964
GI	none	Score	171
Exons	8478..8963, 8509..8769, 8791..8964		

Seq. No.	10526	Seq. ID	OJ990430_32.9924.C3
Gene No.	22314	Strand	-
Start	4594	End	11713
Name	OJ990430_32.9924.C3.o7.tw	Method	TBLASTX:Wheat
Start	9701	End	10039
GI	none	Score	95
Exons	9701..9958, 9735..9974, 9941..10039, 9942..10034		

Seq. No.	10526	Seq. ID	OJ990430_32.9924.C3
Gene No.	22314	Strand	-
Start	4594	End	11713
Name	OJ990430_32.9924.C3.o4.tm	Method	TBLASTX:Maize
Start	9803	End	10088
GI	none	Score	92
Exons	9803..10051, 9804..10088		

Seq. No.	10526	Seq. ID	OJ990430_32.9924.C3
Gene No.	22314	Strand	-
Start	4594	End	11713
Name	OJ990430_32.9924.C3.o3.np	Method	AAT/NAP
Start	10981	End	11713
GI	5042454	Score	235
Exons	10981..11034, 11295..11467, 11654..11713		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	10527	Seq. ID	OJ990430_32.9924.C4
Gene No.	22315	Strand	-
Start	1166	End	2485
Name	OJ990430_32.9924.C4.o1.gs	Method	GENSCAN
Start	1166	End	2485
GI	none	Score	.77
Exons	1166..1281, 2437..2485		

Seq. No.	10528	Seq. ID	OJ990430_32.9924.C6
Gene No.	22316	Strand	+
Start	3905	End	12649
Name	OJ990430_32.9924.C6.o2.np	Method	AAT/NAP
Start	3905	End	9493
GI	5295971	Score	3377
Exons	3905..3928, 5251..9493		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the		

predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]

Seq. No.	10528	Seq. ID	OJ990430_32.9924.C6
Gene No.	22316	Strand	+
Start	3905	End	12649
Name	OJ990430_32.9924.C6.o2.gs	Method	GENSCAN
Start	4294	End	9482
GI	none	Score	.53
Exons	4294..4725, 5330..8482, 8580..9482		

Seq. No.	10528	Seq. ID	OJ990430_32.9924.C6
Gene No.	22316	Strand	+
Start	3905	End	12649
Name	OJ990430_32.9924.C6.o3.np	Method	AAT/NAP
Start	8451	End	11836
GI	2809263	Score	68
Exons	8451..8471, 9925..10119, 11796..11836		
GI Descrip.	(AC002560) F21B7.32 [Arabidopsis thaliana]		

Seq. No.	10528	Seq. ID	OJ990430_32.9924.C6
Gene No.	22316	Strand	+
Start	3905	End	12649
Name	OJ990430_32.9924.C6.o2.gp	Method	AAT/GAP
Start	9828	End	9936
GI	uC-osrocyp037e07a1	Score	185
Exons	9828..9936		
GI Descrip.	'3176667 1.0e-17 (AC004393) Similar to hypothetical 41.9KD protein gb_1001369 from sequence of Synechocystis sp. gb_D64006. [Arabidopsis thaliana]'		

Seq. No.	10528	Seq. ID	OJ990430_32.9924.C6
Gene No.	22316	Strand	+
Start	3905	End	12649
Name	OJ990430_32.9924.C6.o3.gs	Method	GENSCAN
Start	10012	End	12649
GI	none	Score	.84
Exons	10012..10468, 10514..10563, 11007..11028, 11851..11985, 12612..12649		

Seq. No.	10528	Seq. ID	OJ990430_32.9924.C6
Gene No.	22317	Strand	+
Start	14154	End	15582
Name	OJ990430_32.9924.C6.o4.gs	Method	GENSCAN
Start	14154	End	15582
GI	none	Score	.49
Exons	14154..14987, 15034..15582		

Seq. No.	10528	Seq. ID	OJ990430_32.9924.C6
Gene No.	22318	Strand	+
Start	17450	End	19381
Name	OJ990430_32.9924.C6.o5.gs	Method	GENSCAN
Start	17450	End	19381
GI	none	Score	.92
Exons	17450..17525, 19263..19381		

Seq. No.	10528	Seq. ID	OJ990430_32.9924.C6

Gene No.	22319	Strand	+
Start	23336	End	24396
Name	OJ990430_32.9924.C6.o5.np	Method	AAT/NAP
Start	23336	End	24396
GI	6721543	Score	183
Exons	23336..23466, 24281..24396		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	10528	Seq. ID	OJ990430_32.9924.C6
Gene No.	22320	Strand	+
Start	24409	End	26244
Name	OJ990430_32.9924.C6.o6.np	Method	AAT/NAP
Start	24409	End	26244
GI	5441880	Score	1868
Exons	24409..25414, 25859..25890, 26149..26244		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	10528	Seq. ID	OJ990430_32.9924.C6
Gene No.	22320	Strand	+
Start	24409	End	26244
Name	OJ990430_32.9924.C6.o4.gp	Method	AAT/GAP
Start	25013	End	25444
GI	5701669	Score	841
Exons	25013..25444		
GI Descrip.	5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	10528	Seq. ID	OJ990430_32.9924.C6
Gene No.	22321	Strand	-
Start	630	End	2928
Name	OJ990430_32.9924.C6.o1.gs	Method	GENSCAN
Start	630	End	2928
GI	none	Score	.92
Exons	630..1226, 1435..1599, 1693..1864, 2852..2928		

Seq. No.	10528	Seq. ID	OJ990430_32.9924.C6
Gene No.	22321	Strand	-
Start	630	End	2928
Name	OJ990430_32.9924.C6.o1.np	Method	AAT/NAP
Start	694	End	1371
GI	4895172	Score	391
Exons	694..1371		
GI Descrip.	(AC007662) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	10528	Seq. ID	OJ990430_32.9924.C6
Gene No.	22322	Strand	-
Start	5064	End	5165
Name	OJ990430_32.9924.C6.o1.gp	Method	AAT/GAP
Start	5064	End	5165
GI	uC-osrocyp037e07a1	Score	187
Exons	5064..5165		
GI Descrip.	'3176667 1.0e-17 (AC004393) Similar to hypothetical 41.9KD protein gb_1001369 from sequence of Synechocystis sp. gb_D64006. [Arabidopsis thaliana]'		

Seq. No.	10528	Seq. ID	OJ990430_32.9924.C6
Gene No.	22323	Strand	-
Start	18277	End	18432
Name	OJ990430_32.9924.C6.o13.tm	Method	TBLASTX:Maize
Start	651	End	842
GI	none	Score	134
Exons	651..842, 658..813		

Seq. No.	10528	Seq. ID	OJ990430_32.9924.C6
Gene No.	22323	Strand	-
Start	18277	End	18432
Name	OJ990430_32.9924.C6.o5.tm	Method	TBLASTX:Maize
Start	852	End	1290
GI	none	Score	37
Exons	852..884, 852..911, 919..963, 1129..1290	921..959, 957..1289, 958..1098,	

Seq. No.	10528	Seq. ID	OJ990430_32.9924.C6
Gene No.	22323	Strand	-
Start	18277	End	18432
Name	OJ990430_32.9924.C6.o1.tw	Method	TBLASTX:Wheat
Start	864	End	1278
GI	none	Score	167
Exons	864..1100, 865..1092, 1095..1277, 1135..1278		

Seq. No.	10528	Seq. ID	OJ990430_32.9924.C6
Gene No.	22323	Strand	-
Start	18277	End	18432
Name	OJ990430_32.9924.C6.o6.tm	Method	TBLASTX:Maize
Start	4297	End	14615
GI	none	Score	98
Exons	4297..4365, 4356..4409, 4357..4455, 4456..4737, 4497..4601, 4561..4725, 14181..14327, 14201..14314, 14214..14327, 14324..14458, 14325..14615, 14409..14612, 14537..14614		

Seq. No.	10528	Seq. ID	OJ990430_32.9924.C6
Gene No.	22323	Strand	-
Start	18277	End	18432
Name	OJ990430_32.9924.C6.o7.tw	Method	TBLASTX:Wheat
Start	5471	End	5851
GI	none	Score	210
Exons	5471..5851		

Seq. No.	10528	Seq. ID	OJ990430_32.9924.C6
Gene No.	22323	Strand	-
Start	18277	End	18432
Name	OJ990430_32.9924.C6.o11.tm	Method	TBLASTX:Maize
Start	5545	End	5857
GI	none	Score	227
Exons	5545..5622, 5546..5857		

Seq. No.	10528	Seq. ID	OJ990430_32.9924.C6
Gene No.	22323	Strand	-
Start	18277	End	18432
Name	OJ990430_32.9924.C6.o8.tm	Method	TBLASTX:Maize
Start	6364	End	6772

GI	none	Score	328
Exons	6364..6666, 6365..6772, 6733..6768		

Seq. No.	10528	Seq. ID	OJ990430_32.9924.C6
Gene No.	22323	Strand	-
Start	18277	End	18432
Name	OJ990430_32.9924.C6.o5.tw	Method	TBLASTX:Wheat
Start	6386	End	6838
GI	none	Score	267
Exons	6386..6751, 6400..6753, 6752..6838		

Seq. No.	10528	Seq. ID	OJ990430_32.9924.C6
Gene No.	22323	Strand	-
Start	18277	End	18432
Name	OJ990430_32.9924.C6.o4.ts	Method	TBLASTX:Soybean
Start	6776	End	7105
GI	none	Score	240
Exons	6776..7105, 6872..6952		

Seq. No.	10528	Seq. ID	OJ990430_32.9924.C6
Gene No.	22323	Strand	-
Start	18277	End	18432
Name	OJ990430_32.9924.C6.o3.tw	Method	TBLASTX:Wheat
Start	6911	End	7471
GI	none	Score	338
Exons	6911..7372, 6937..7365, 7382..7471		

Seq. No.	10528	Seq. ID	OJ990430_32.9924.C6
Gene No.	22323	Strand	-
Start	18277	End	18432
Name	OJ990430_32.9924.C6.o1.tm	Method	TBLASTX:Maize
Start	7114	End	7543
GI	none	Score	464
Exons	7114..7443, 7118..7459, 7461..7538, 7472..7543		

Seq. No.	10528	Seq. ID	OJ990430_32.9924.C6
Gene No.	22323	Strand	-
Start	18277	End	18432
Name	OJ990430_32.9924.C6.o3.tc	Method	TBLASTX:Cress
Start	7136	End	7555
GI	none	Score	239
Exons	7136..7555, 7219..7362		

Seq. No.	10528	Seq. ID	OJ990430_32.9924.C6
Gene No.	22323	Strand	-
Start	18277	End	18432
Name	OJ990430_32.9924.C6.o2.ts	Method	TBLASTX:Soybean
Start	7145	End	7621
GI	none	Score	416
Exons	7145..7621, 7150..7491, 7181..7621		

Seq. No.	10528	Seq. ID	OJ990430_32.9924.C6
Gene No.	22323	Strand	-
Start	18277	End	18432
Name	OJ990430_32.9924.C6.o1.ts	Method	TBLASTX:Soybean
Start	7924	End	8440
GI	5509260	Score	452

Exons 7924..8418, 7940..8440
GI Descrip. -

Seq. No.	10528	Seq. ID	OJ990430_32.9924.C6
Gene No.	22323	Strand	-
Start	18277	End	18432
Name	OJ990430_32.9924.C6.o3.tm	Method	TBLASTX:Maize
Start	7966	End	8287
GI	none	Score	424
Exons	7966..8286, 7967..8287, 8009..8287		

Seq. No.	10528	Seq. ID	OJ990430_32.9924.C6
Gene No.	22323	Strand	-
Start	18277	End	18432
Name	OJ990430_32.9924.C6.o4.tw	Method	TBLASTX:Wheat
Start	7970	End	8431
GI	none	Score	66
Exons	7970..8050, 8030..8425, 8081..8431		

Seq. No.	10528	Seq. ID	OJ990430_32.9924.C6
Gene No.	22323	Strand	-
Start	18277	End	18432
Name	OJ990430_32.9924.C6.o2.tc	Method	TBLASTX:Cress
Start	8062	End	8326
GI	none	Score	273
Exons	8062..8298, 8063..8326, 8078..8317		

Seq. No.	10528	Seq. ID	OJ990430_32.9924.C6
Gene No.	22323	Strand	-
Start	18277	End	18432
Name	OJ990430_32.9924.C6.o12.tm	Method	TBLASTX:Maize
Start	8288	End	8684
GI	none	Score	183
Exons	8288..8575, 8320..8418, 8604..8684		

Seq. No.	10528	Seq. ID	OJ990430_32.9924.C6
Gene No.	22323	Strand	-
Start	18277	End	18432
Name	OJ990430_32.9924.C6.o8.tw	Method	TBLASTX:Wheat
Start	8616	End	8969
GI	none	Score	92
Exons	8616..8783, 8796..8969		

Seq. No.	10528	Seq. ID	OJ990430_32.9924.C6
Gene No.	22323	Strand	-
Start	18277	End	18432
Name	OJ990430_32.9924.C6.o2.tm	Method	TBLASTX:Maize
Start	8757	End	9212
GI	none	Score	238
Exons	8757..8984, 8757..8951, 8762..8989, 8792..8968, 8997..9212, 8997..9131, 9035..9190		

Seq. No.	10528	Seq. ID	OJ990430_32.9924.C6
Gene No.	22323	Strand	-
Start	18277	End	18432
Name	OJ990430_32.9924.C6.o1.tc	Method	TBLASTX:Cress
Start	8795	End	9461

GI	none	Score	160
Exons	8795..8968, 8796..8969, 8991..9092, 9032..9067, 9096..9212, 9210..9461, 9236..9421		
Seq. No.	10528	Seq. ID	OJ990430_32.9924.C6
Gene No.	22323	Strand	-
Start	18277	End	18432
Name	OJ990430_32.9924.C6.o3.ts	Method	TBLASTX:Soybean
Start	8820	End	9458
GI	none	Score	133
Exons	8820..8948, 8988..9458, 9032..9178, 9281..9412		
Seq. No.	10528	Seq. ID	OJ990430_32.9924.C6
Gene No.	22323	Strand	-
Start	18277	End	18432
Name	OJ990430_32.9924.C6.o6.tw	Method	TBLASTX:Wheat
Start	8997	End	9431
GI	none	Score	161
Exons	8997..9215, 9038..9190, 9230..9424, 9252..9431		
Seq. No.	10528	Seq. ID	OJ990430_32.9924.C6
Gene No.	22323	Strand	-
Start	18277	End	18432
Name	OJ990430_32.9924.C6.o10.tm	Method	TBLASTX:Maize
Start	9213	End	9458
GI	none	Score	237
Exons	9213..9458, 9218..9313, 9380..9457		
Seq. No.	10528	Seq. ID	OJ990430_32.9924.C6
Gene No.	22323	Strand	-
Start	18277	End	18432
Name	OJ990430_32.9924.C6.o4.tm	Method	TBLASTX:Maize
Start	10237	End	15525
GI	none	Score	90
Exons	10237..10329, 10287..10322, 10346..10375, 10393..10449, 10393..10449, 14869..14961, 14907..14954, 14978..15007, 15025..15216, 15025..15129, 15042..15317, 15226..15345, 15234..15347, 15364..15408, 15406..15483, 15490..15525		
Seq. No.	10528	Seq. ID	OJ990430_32.9924.C6
Gene No.	22323	Strand	-
Start	18277	End	18432
Name	OJ990430_32.9924.C6.o3.gp	Method	AAT/GAP
Start	18277	End	18432
GI	2162_1.R1084	Score	159
Exons	18277..18432		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		
Seq. No.	10528	Seq. ID	OJ990430_32.9924.C6
Gene No.	22324	Strand	
Start	19608	End	21018
Name	OJ990430_32.9924.C6.o9.tm	Method	TBLASTX:Maize
Start	19608	End	21018
GI	none	Score	91
Exons	19608..19742, 19609..19752, 19615..19752, 19646..19753,		

19768..19881, 19775..19879, 20405..20572, 20433..20552,
20883..21017, 20884..21018, 20885..21016

Seq. No.	10528	Seq. ID	OJ990430_32.9924.C6
Gene No.	22324	Strand	
Start	19608	End	21018
Name	OJ990430_32.9924.C6.o4.tc	Method	TBLASTX:Cress
Start	19636	End	19881
GI	none	Score	54
Exons	19636..19752, 19640..19750, 19778..19867, 19780..19881		

Seq. No.	10528	Seq. ID	OJ990430_32.9924.C6
Gene No.	22325	Strand	
Start	24970	End	25644
Name	OJ990430_32.9924.C6.o7.tm	Method	TBLASTX:Maize
Start	24970	End	25566
GI	none	Score	92
Exons	24970..25098, 24978..25049, 25132..25431, 25149..25370, 25495..25566		

Seq. No.	10528	Seq. ID	OJ990430_32.9924.C6
Gene No.	22325	Strand	
Start	24970	End	25644
Name	OJ990430_32.9924.C6.o2.tw	Method	TBLASTX:Wheat
Start	25264	End	25644
GI	none	Score	211
Exons	25264..25458, 25270..25470, 25464..25583, 25468..25644, 25468..25614		

Seq. No.	10529	Seq. ID	OJ990620_31.9922.C1
Gene No.	22326	Strand	+
Start	4395	End	5198
Name	OJ990620_31.9922.C1.o1.np	Method	AAT/NAP
Start	3788	End	5141
GI	2129473	Score	421
Exons	3788..3819, 4379..5141		
GI Descrip.	arabinogalactan-like protein - loblolly pine gi|607774 (U09556) arabinogalactan-like protein [Pinus taeda]		

Seq. No.	10529	Seq. ID	OJ990620_31.9922.C1
Gene No.	22326	Strand	+
Start	4395	End	5198
Name	OJ990620_31.9922.C1.o2.gs	Method	GENSCAN
Start	4395	End	5198
GI	none	Score	1
Exons	4395..5198		

Seq. No.	10529	Seq. ID	OJ990620_31.9922.C1
Gene No.	22327	Strand	+
Start	6806	End	7483
Name	OJ990620_31.9922.C1.o3.gs	Method	GENSCAN
Start	6806	End	7483
GI	none	Score	.5
Exons	6806..6852, 7033..7137, 7260..7319, 7366..7483		

Seq. No.	10529	Seq. ID	OJ990620_31.9922.C1
Gene No.	22328	Strand	-

Start	1869	End	1971
Name	OJ990620_31.9922.C1.o1.gp	Method	AAT/GAP
Start	1869	End	1971
GI	LIB3477-003-P1-K1-E9	Score	148
Exons	1869..1971		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	10529	Seq. ID	OJ990620_31.9922.C1
Gene No.	22329	Strand	-
Start	9037	End	12744
Name	OJ990620_31.9922.C1.o4.gs	Method	GENSCAN
Start	9037	End	12744
GI	none	Score	.92
Exons	9037..9342, 9725..10176, 10312..10511, 11714..11846, 12024..12744		

Seq. No.	10529	Seq. ID	OJ990620_31.9922.C1
Gene No.	22330	Strand	-
Start	13582	End	19112
Name	OJ990620_31.9922.C1.o2.np	Method	AAT/NAP
Start	13582	End	18209
GI	5852181	Score	109
Exons	13582..13615, 14831..14986, 18186..18209		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	10529	Seq. ID	OJ990620_31.9922.C1
Gene No.	22330	Strand	-
Start	13582	End	19112
Name	OJ990620_31.9922.C1.o5.gs	Method	GENSCAN
Start	15943	End	19112
GI	none	Score	.73
Exons	15943..16009, 16877..17224, 18005..18305, 18391..18640, 18734..18794, 18961..19112		

Seq. No.	10529	Seq. ID	OJ990620_31.9922.C1
Gene No.	22331	Strand	-
Start	21280	End	21643
Name	OJ990620_31.9922.C1.o1.tc	Method	TBLASTX:Cress
Start	4500	End	4952
GI	none	Score	209
Exons	4500..4742, 4755..4790, 4842..4952		

Seq. No.	10529	Seq. ID	OJ990620_31.9922.C1
Gene No.	22331	Strand	-
Start	21280	End	21643
Name	OJ990620_31.9922.C1.o1.tm	Method	TBLASTX:Maize
Start	4503	End	5064
GI	none	Score	97
Exons	4503..4610, 4508..4603, 4656..4799, 4665..4781, 4842..4952, 4856..4951, 5026..5064		

Seq. No.	10529	Seq. ID	OJ990620_31.9922.C1
Gene No.	22331	Strand	-
Start	21280	End	21643
Name	OJ990620_31.9922.C1.o1.ts	Method	TBLASTX:Soybean

Start	4503	End	4952
GI	none	Score	232
Exons	4503..4784, 4689..4781, 4842..4952, 4853..4939		

Seq. No.	10529	Seq. ID	OJ990620_31.9922.C1
Gene No.	22331	Strand	-
Start	21280	End	21643
Name	OJ990620_31.9922.C1.o3.np	Method	AAT/NAP
Start	21280	End	21643
GI	4584355	Score	245
Exons	21280..21643		
GI Descrip.	(AC006420) Ac-like transposase [Arabidopsis thaliana]		

Seq. No.	10530	Seq. ID	OJ990620_31.9922.C2
Gene No.	22332	Strand	-
Start	90	End	248
Name	OJ990620_31.9922.C2.o1.gs	Method	GENSCAN
Start	90	End	248
GI	none	Score	.86
Exons	90..248		

Seq. No.	10531	Seq. ID	OJ990620_31.9922.C3
Gene No.	22333	Strand	+
Start	1160	End	3920
Name	OJ990620_31.9922.C3.o1.gs	Method	GENSCAN
Start	1160	End	2558
GI	none	Score	.98
Exons	1160..2168, 2263..2558		

Seq. No.	10531	Seq. ID	OJ990620_31.9922.C3
Gene No.	22333	Strand	+
Start	1160	End	3920
Name	OJ990620_31.9922.C3.o1.np	Method	AAT/NAP
Start	1277	End	3920
GI	93144	Score	52
Exons	1277..1536, 1583..2089, 2313..2567, 3832..3920		
GI Descrip.	hypothetical protein - suid herpesvirus 1 (strain Indiana-Funkhuser or Becker) gi|334068 (M57505) ORF2 [Pseudorabies virus]		

Seq. No.	10531	Seq. ID	OJ990620_31.9922.C3
Gene No.	22334	Strand	-
Start	3373	End	3715
Name	OJ990620_31.9922.C3.o2.gs	Method	GENSCAN
Start	3373	End	3715
GI	none	Score	.83
Exons	3373..3604, 3690..3715		

Seq. No.	10531	Seq. ID	OJ990620_31.9922.C3
Gene No.	22334	Strand	-
Start	3373	End	3715
Name	OJ990620_31.9922.C3.o1.tm	Method	TBLASTX:Maize
Start	3420	End	3607
GI	none	Score	82
Exons	3420..3488, 3424..3498, 3472..3606, 3494..3607		

Seq. No.	10532	Seq. ID	OJ990620_31.9922.C4

Gene No.	22335	Strand	+
Start	4323	End	5250
Name	OJ990620_31.9922.C4.o2.gs	Method	GENSCAN
Start	4323	End	5250
GI	none	Score	.57
Exons	4323..4456, 4986..5062, 5171..5250		

Seq. No.	10532	Seq. ID	OJ990620_31.9922.C4
Gene No.	22336	Strand	+
Start	5643	End	6527
Name	OJ990620_31.9922.C4.o3.gs	Method	GENSCAN
Start	5643	End	6527
GI	none	Score	.85
Exons	5643..5725, 5863..6000, 6101..6527		

Seq. No.	10532	Seq. ID	OJ990620_31.9922.C4
Gene No.	22337	Strand	+
Start	7310	End	7891
Name	OJ990620_31.9922.C4.o4.gs	Method	GENSCAN
Start	7310	End	7891
GI	none	Score	.99
Exons	7310..7891		

Seq. No.	10532	Seq. ID	OJ990620_31.9922.C4
Gene No.	22338	Strand	-
Start	556	End	1207
Name	OJ990620_31.9922.C4.o1.gs	Method	GENSCAN
Start	556	End	1207
GI	none	Score	.98
Exons	556..780, 869..1207		

Seq. No.	10532	Seq. ID	OJ990620_31.9922.C4
Gene No.	22339	Strand	-
Start	8702	End	9461
Name	OJ990620_31.9922.C4.o5.gs	Method	GENSCAN
Start	8702	End	9461
GI	none	Score	.67
Exons	8702..8904, 9045..9167, 9299..9461		

Seq. No.	10532	Seq. ID	OJ990620_31.9922.C4
Gene No.	22340	Strand	-
Start	11035	End	13568
Name	OJ990620_31.9922.C4.o4.tm	Method	TBLASTX:Maize
Start	564	End	1024
GI	none	Score	66
Exons	564..605, 565..780, 566..781, 857..1012, 870..1004, 959..1024		

Seq. No.	10532	Seq. ID	OJ990620_31.9922.C4
Gene No.	22340	Strand	-
Start	11035	End	13568
Name	OJ990620_31.9922.C4.o2.ts	Method	TBLASTX:Soybean
Start	11008	End	11688
GI	none	Score	72
Exons	11008..11271, 11105..11266, 11299..11688, 11384..11494		

Seq. No.	10532	Seq. ID	OJ990620_31.9922.C4
Gene No.	22340	Strand	-

Start	11035	End	13568
Name	OJ990620_31.9922.C4.o1.np	Method	AAT/NAP
Start	11035	End	13568
GI	3777527	Score	2028
Exons	11035..12791, 12876..13568		
GI Descrip.	(AF053008) gag-pol polyprotein [Glycine max]		

Seq. No.	10532	Seq. ID	OJ990620_31.9922.C4
Gene No.	22340	Strand	-
Start	11035	End	13568
Name	OJ990620_31.9922.C4.o1.tc	Method	TBLASTX:Cress
Start	11050	End	11709
GI	none	Score	67
Exons	11050..11262, 11144..11263, 11281..11415, 11527..11697, 11536..11709		

Seq. No.	10532	Seq. ID	OJ990620_31.9922.C4
Gene No.	22340	Strand	-
Start	11035	End	13568
Name	OJ990620_31.9922.C4.o1.tm	Method	TBLASTX:Maize
Start	11050	End	11706
GI	none	Score	299
Exons	11050..11706, 11051..11698		

Seq. No.	10532	Seq. ID	OJ990620_31.9922.C4
Gene No.	22340	Strand	-
Start	11035	End	13568
Name	OJ990620_31.9922.C4.o3.tw	Method	TBLASTX:Wheat
Start	11473	End	11889
GI	none	Score	82
Exons	11473..11709, 11474..11698, 11737..11889		

Seq. No.	10532	Seq. ID	OJ990620_31.9922.C4
Gene No.	22340	Strand	-
Start	11035	End	13568
Name	OJ990620_31.9922.C4.o4.ts	Method	TBLASTX:Soybean
Start	11689	End	11917
GI	none	Score	70
Exons	11689..11913, 11750..11917		

Seq. No.	10532	Seq. ID	OJ990620_31.9922.C4
Gene No.	22340	Strand	-
Start	11035	End	13568
Name	OJ990620_31.9922.C4.o3.tm	Method	TBLASTX:Maize
Start	11950	End	12397
GI	none	Score	61
Exons	11950..12396, 11958..12197, 11960..12397		

Seq. No.	10532	Seq. ID	OJ990620_31.9922.C4
Gene No.	22340	Strand	-
Start	11035	End	13568
Name	OJ990620_31.9922.C4.o1.ts	Method	TBLASTX:Soybean
Start	12059	End	12628
GI	5509260	Score	392
Exons	12059..12628, 12061..12588		
GI Descrip.	-		

Seq. No.	10532	Seq. ID	OJ990620_31.9922.C4
Gene No.	22340	Strand	-
Start	11035	End	13568
Name	OJ990620_31.9922.C4.o1.tw	Method	TBLASTX:Wheat
Start	12076	End	12544
GI	none	Score	134
Exons	12076..12420, 12077..12244, 12275..12403, 12437..12544, 12454..12543		

Seq. No.	10532	Seq. ID	OJ990620_31.9922.C4
Gene No.	22340	Strand	-
Start	11035	End	13568
Name	OJ990620_31.9922.C4.o2.tc	Method	TBLASTX:Cress
Start	12178	End	12444
GI	none	Score	107
Exons	12178..12444, 12179..12439		

Seq. No.	10532	Seq. ID	OJ990620_31.9922.C4
Gene No.	22340	Strand	-
Start	11035	End	13568
Name	OJ990620_31.9922.C4.o2.tm	Method	TBLASTX:Maize
Start	12901	End	13536
GI	none	Score	274
Exons	12901..13053, 13035..13136, 13048..13470, 13049..13378, 13453..13536, 13473..13505		

Seq. No.	10532	Seq. ID	OJ990620_31.9922.C4
Gene No.	22340	Strand	-
Start	11035	End	13568
Name	OJ990620_31.9922.C4.o3.ts	Method	TBLASTX:Soybean
Start	12901	End	13362
GI	none	Score	52
Exons	12901..13029, 12920..13039, 13051..13362, 13058..13351		

Seq. No.	10532	Seq. ID	OJ990620_31.9922.C4
Gene No.	22340	Strand	-
Start	11035	End	13568
Name	OJ990620_31.9922.C4.o3.tc	Method	TBLASTX:Cress
Start	12902	End	13344
GI	none	Score	36
Exons	12902..13039, 12907..13038, 13054..13344, 13123..13311		

Seq. No.	10532	Seq. ID	OJ990620_31.9922.C4
Gene No.	22340	Strand	-
Start	11035	End	13568
Name	OJ990620_31.9922.C4.o2.tw	Method	TBLASTX:Wheat
Start	13045	End	13563
GI	none	Score	53
Exons	13045..13125, 13067..13129, 13153..13563		

Seq. No.	10533	Seq. ID	OJ990620_31.9922.C5
Gene No.	22341	Strand	-
Start	1	End	3082
Name	OJ990620_31.9922.C5.o1.np	Method	AAT/NAP
Start	1	End	702
GI	3645899	Score	357
Exons	1..702		

GI Descrip. (U68408) 5' end not determined experimentally [Zea mays]

Seq. No.	10533	Seq. ID	OJ990620_31.9922.C5
Gene No.	22341	Strand	-
Start	1	End	3082
Name	OJ990620_31.9922.C5.o1.tm	Method	TBLASTX:Maize
Start	2	End	280
GI	none	Score	212
Exons	2..280		

Seq. No.	10533	Seq. ID	OJ990620_31.9922.C5
Gene No.	22341	Strand	-
Start	1	End	3082
Name	OJ990620_31.9922.C5.o1.gs	Method	GENSCAN
Start	33	End	3082
GI	none	Score	.47
Exons	33..697, 1016..1398, 1678..3082		

Seq. No.	10534	Seq. ID	OJ990620_31.9922.C6
Gene No.	22342	Strand	+
Start	246	End	6463
Name	OJ990620_31.9922.C6.o1.gs	Method	GENSCAN
Start	246	End	4380
GI	none	Score	.64
Exons	246..456, 1130..1598, 1907..2049, 2471..2632, 2876..3102, 3148..4380		

Seq. No.	10534	Seq. ID	OJ990620_31.9922.C6
Gene No.	22342	Strand	+
Start	246	End	6463
Name	OJ990620_31.9922.C6.o1.np	Method	AAT/NAP
Start	734	End	1703
GI	6649097	Score	769
Exons	734..1703		
GI Descrip.	(AF146275) resistance gene analog PIC27 [Oryza sativa]		

Seq. No.	10534	Seq. ID	OJ990620_31.9922.C6
Gene No.	22342	Strand	+
Start	246	End	6463
Name	OJ990620_31.9922.C6.o3.np	Method	AAT/NAP
Start	1907	End	6463
GI	6598711	Score	110
Exons	1907..2189, 4045..4325, 6438..6463		
GI Descrip.	(AC007197) putative disease resistance protein [Arabidopsis thaliana]		

Seq. No.	10534	Seq. ID	OJ990620_31.9922.C6
Gene No.	22342	Strand	+
Start	246	End	6463
Name	OJ990620_31.9922.C6.o2.np	Method	AAT/NAP
Start	2471	End	5316
GI	6069646	Score	436
Exons	2471..3110, 5276..5316		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248)		

[Oryza sativa]

Seq. No.	10534	Seq. ID	OJ990620_31.9922.C6
Gene No.	22343	Strand	-
Start	6068	End	8967
Name	OJ990620_31.9922.C6.o1.tc	Method	TBLASTX:Cress
Start	931	End	1560
GI	none	Score	61
Exons	931..987, 1063..1311, 1408..1560		

Seq. No.	10534	Seq. ID	OJ990620_31.9922.C6
Gene No.	22343	Strand	-
Start	6068	End	8967
Name	OJ990620_31.9922.C6.o2.tm	Method	TBLASTX:Maize
Start	1102	End	1580
GI	none	Score	52
Exons	1102..1176, 1173..1274, 1180..1575, 1368..1580		

Seq. No.	10534	Seq. ID	OJ990620_31.9922.C6
Gene No.	22343	Strand	-
Start	6068	End	8967
Name	OJ990620_31.9922.C6.o1.ts	Method	TBLASTX:Soybean
Start	1204	End	1530
GI	none	Score	107
Exons	1204..1332, 1206..1310, 1360..1530, 1368..1499		

Seq. No.	10534	Seq. ID	OJ990620_31.9922.C6
Gene No.	22343	Strand	-
Start	6068	End	8967
Name	OJ990620_31.9922.C6.o1.tm	Method	TBLASTX:Maize
Start	2482	End	2898
GI	none	Score	370
Exons	2482..2898, 2502..2645, 2685..2897		

Seq. No.	10534	Seq. ID	OJ990620_31.9922.C6
Gene No.	22343	Strand	-
Start	6068	End	8967
Name	OJ990620_31.9922.C6.o2.tw	Method	TBLASTX:Wheat
Start	2734	End	3056
GI	none	Score	204
Exons	2734..3036, 2904..3056		

Seq. No.	10534	Seq. ID	OJ990620_31.9922.C6
Gene No.	22343	Strand	-
Start	6068	End	8967
Name	OJ990620_31.9922.C6.o1.tw	Method	TBLASTX:Wheat
Start	3771	End	4192
GI	none	Score	98
Exons	3771..4106, 3796..4116, 3804..4112, 4104..4190, 4125..4190, 4166..4192		

Seq. No.	10534	Seq. ID	OJ990620_31.9922.C6
Gene No.	22343	Strand	-
Start	6068	End	8967
Name	OJ990620_31.9922.C6.o4.np	Method	AAT/NAP
Start	6068	End	8967
GI	6069646	Score	64

Exons	6068..6257, 8928..8967		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		
Seq. No.	10535	Seq. ID	OJ990620_31.9922.C7
Gene No.	22344	Strand	+
Start	12904	End	24622
Name	OJ990620_31.9922.C7.o5.np	Method	AAT/NAP
Start	12904	End	23108
GI	5917664	Score	203
Exons	12904..12928, 18942..19203, 20002..20364, 21923..22029, 22961..23108		
GI Descrip.	(AF159296) extensin-like protein [Lycopersicon esculentum]		
Seq. No.	10535	Seq. ID	OJ990620_31.9922.C7
Gene No.	22344	Strand	+
Start	12904	End	24622
Name	OJ990620_31.9922.C7.o3.gs	Method	GENSCAN
Start	18295	End	24454
GI	none	Score	.52
Exons	18295..18604, 18609..18772, 20224..20380, 21355..21437, 21796..22071, 22629..22783, 22789..23053, 23213..23470, 23583..23742, 24385..24454		
Seq. No.	10535	Seq. ID	OJ990620_31.9922.C7
Gene No.	22344	Strand	+
Start	12904	End	24622
Name	OJ990620_31.9922.C7.o6.np	Method	AAT/NAP
Start	22750	End	24622
GI	5830509	Score	214
Exons	22750..22907, 23209..23470, 23583..23762, 23851..23951, 24519..24622		
GI Descrip.	(AL110506) WD repeat protein [Schizosaccharomyces pombe]		
Seq. No.	10535	Seq. ID	OJ990620_31.9922.C7
Gene No.	22345	Strand	+
Start	24532	End	24624
Name	OJ990620_31.9922.C7.o7.np	Method	AAT/NAP
Start	24532	End	24624
GI	6693030	Score	83
Exons	24532..24624		
GI Descrip.	(AC012375) T22C5.29 [Arabidopsis thaliana]		
Seq. No.	10535	Seq. ID	OJ990620_31.9922.C7
Gene No.	22346	Strand	-
Start	1418	End	8293
Name	OJ990620_31.9922.C7.o1.np	Method	AAT/NAP
Start	1418	End	8293
GI	6069646	Score	702
Exons	1418..1476, 2924..3647, 3936..4655, 8270..8293		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248)		

[Oryza sativa]

Seq. No.	10535	Seq. ID	OJ990620_31.9922.C7
Gene No.	22347	Strand	-
Start	8853	End	14272
Name	OJ990620_31.9922.C7.o3.np	Method	AAT/NAP
Start	8853	End	14272
GI	6069646	Score	634
Exons	8853..9838, 10120..10525, 14250..14272		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	10535	Seq. ID	OJ990620_31.9922.C7
Gene No.	22348	Strand	-
Start	15229	End	16191
Name	OJ990620_31.9922.C7.o2.tc	Method	TBLASTX:Cress
Start	1167	End	1292
GI	none	Score	95
Exons	1167..1292, 1170..1277, 1180..1284		

Seq. No.	10535	Seq. ID	OJ990620_31.9922.C7
Gene No.	22348	Strand	-
Start	15229	End	16191
Name	OJ990620_31.9922.C7.o2.tm	Method	TBLASTX:Maize
Start	2945	End	9434
GI	none	Score	79
Exons	2945..3088, 3085..3273, 8883..9434, 9136..9324		

Seq. No.	10535	Seq. ID	OJ990620_31.9922.C7
Gene No.	22348	Strand	-
Start	15229	End	16191
Name	OJ990620_31.9922.C7.o6.tm	Method	TBLASTX:Maize
Start	3383	End	9830
GI	none	Score	97
Exons	3383..3463, 3473..3652, 3474..3653, 9627..9650, 9660..9830		

Seq. No.	10535	Seq. ID	OJ990620_31.9922.C7
Gene No.	22348	Strand	-
Start	15229	End	16191
Name	OJ990620_31.9922.C7.o2.ts	Method	TBLASTX:Soybean
Start	3551	End	10276
GI	none	Score	162
Exons	3551..3679, 3746..3976, 9738..9857, 9950..10276		

Seq. No.	10535	Seq. ID	OJ990620_31.9922.C7
Gene No.	22348	Strand	-
Start	15229	End	16191
Name	OJ990620_31.9922.C7.o1.tm	Method	TBLASTX:Maize
Start	3716	End	10528
GI	none	Score	134
Exons	3716..4087, 3717..4070, 4080..4364, 4246..4386, 9890..10528		

Seq. No.	10535	Seq. ID	OJ990620_31.9922.C7
Gene No.	22348	Strand	-

Start	15229	End	16191
Name	OJ990620_31.9922.C7.o1.tw	Method	TBLASTX:Wheat
Start	3773	End	10255
GI	none	Score	116
Exons	3773..4072, 3795..4070, 9953..10150, 10205..10255		

Seq. No.	10535	Seq. ID	OJ990620_31.9922.C7
Gene No.	22348	Strand	-
Start	15229	End	16191
Name	OJ990620_31.9922.C7.o4.tm	Method	TBLASTX:Maize
Start	4395	End	4652
GI	none	Score	105
Exons	4395..4652, 4423..4644		

Seq. No.	10535	Seq. ID	OJ990620_31.9922.C7
Gene No.	22348	Strand	-
Start	15229	End	16191
Name	OJ990620_31.9922.C7.o3.tm	Method	TBLASTX:Maize
Start	4916	End	5308
GI	none	Score	142
Exons	4916..5308, 5016..5264		

Seq. No.	10535	Seq. ID	OJ990620_31.9922.C7
Gene No.	22348	Strand	-
Start	15229	End	16191
Name	OJ990620_31.9922.C7.o5.tm	Method	TBLASTX:Maize
Start	5507	End	11053
GI	none	Score	55
Exons	5507..5626, 5630..5767, 10774..10914, 10783..10884, 10891..11052, 10892..11053		

Seq. No.	10535	Seq. ID	OJ990620_31.9922.C7
Gene No.	22348	Strand	-
Start	15229	End	16191
Name	OJ990620_31.9922.C7.o2.tw	Method	TBLASTX:Wheat
Start	7583	End	7930
GI	none	Score	51
Exons	7583..7657, 7584..7661, 7670..7930, 7680..7922		

Seq. No.	10535	Seq. ID	OJ990620_31.9922.C7
Gene No.	22348	Strand	-
Start	15229	End	16191
Name	OJ990620_31.9922.C7.o4.np	Method	AAT/NAP
Start	15229	End	16176
GI	6649097	Score	982
Exons	15229..16176		
GI Descrip.	(AF146275) resistance gene analog PIC27 [Oryza sativa]		

Seq. No.	10535	Seq. ID	OJ990620_31.9922.C7
Gene No.	22348	Strand	-
Start	15229	End	16191
Name	OJ990620_31.9922.C7.o8.tm	Method	TBLASTX:Maize
Start	15346	End	15819
GI	none	Score	95
Exons	15346..15507, 15351..15506, 15497..15583, 15631..15717, 15745..15819		

Seq. No.	10535	Seq. ID	OJ990620_31.9922.C7
Gene No.	22348	Strand	-
Start	15229	End	16191
Name	OJ990620_31.9922.C7.o1.tc	Method	TBLASTX:Cress
Start	15366	End	16191
GI	none	Score	48
Exons	15366..15509, 15613..15849, 15928..16014, 16135..16191		

Seq. No.	10535	Seq. ID	OJ990620_31.9922.C7
Gene No.	22348	Strand	-
Start	15229	End	16191
Name	OJ990620_31.9922.C7.o1.ts	Method	TBLASTX:Soybean
Start	15646	End	16185
GI	none	Score	63
Exons	15646..15717, 15733..15849, 15910..16116, 16126..16185		

Seq. No.	10535	Seq. ID	OJ990620_31.9922.C7
Gene No.	22349	Strand	
Start	23799	End	24622
Name	OJ990620_31.9922.C7.o7.tm	Method	TBLASTX:Maize
Start	23799	End	24622
GI	none	Score	165
Exons	23799..23963, 23802..23984, 23830..23982, 24429..24620, 24430..24621, 24443..24622		

Seq. No.	10536	Seq. ID	OJ990620_31.9922.C8
Gene No.	22350	Strand	+
Start	1	End	424
Name	OJ990620_31.9922.C8.o1.np	Method	AAT/NAP
Start	1	End	424
GI	6693030	Score	95
Exons	1..60, 142..215, 385..424		
GI Descrip.	(AC012375) T22C5.29 [Arabidopsis thaliana]		

Seq. No.	10536	Seq. ID	OJ990620_31.9922.C8
Gene No.	22350	Strand	+
Start	1	End	424
Name	OJ990620_31.9922.C8.o1.gs	Method	GENSCAN
Start	20	End	60
GI	none	Score	.89
Exons	20..60		

Seq. No.	10537	Seq. ID	OJ990620_31.9922.C9
Gene No.	22351	Strand	+
Start	1825	End	7577
Name	OJ990620_31.9922.C9.o1.gs	Method	GENSCAN
Start	1825	End	7577
GI	none	Score	.63
Exons	1825..2031, 3242..3383, 3478..3588, 3793..3910, 4017..4122, 5790..5850, 6153..6181, 6485..6603, 6624..6793, 7285..7450, 7519..7577		

Seq. No.	10537	Seq. ID	OJ990620_31.9922.C9
Gene No.	22352	Strand	-
Start	8299	End	9135
Name	OJ990620_31.9922.C9.o1.np	Method	AAT/NAP
Start	8269	End	9099

GI	5919185	Score	283
Exons	8269..8357, 8456..9099		
GI Descrip.	(AF183809) arabinogalactan protein Pop14A9 [Populus alba x Populus tremula]		
Seq. No.	10537	Seq. ID	OJ990620_31.9922.C9
Gene No.	22352	Strand	-
Start	8299	End	9135
Name	OJ990620_31.9922.C9.o2.gs	Method	GENSCAN
Start	8299	End	9105
GI	none	Score	.98
Exons	8299..9105		
Seq. No.	10537	Seq. ID	OJ990620_31.9922.C9
Gene No.	22352	Strand	-
Start	8299	End	9135
Name	OJ990620_31.9922.C9.o1.tc	Method	TBLASTX:Cress
Start	8536	End	9022
GI	none	Score	76
Exons	8536..8664, 8692..8730, 8749..8880, 8750..8875, 8875..9018, 8945..9022		
Seq. No.	10537	Seq. ID	OJ990620_31.9922.C9
Gene No.	22352	Strand	-
Start	8299	End	9135
Name	OJ990620_31.9922.C9.o1.tm	Method	TBLASTX:Maize
Start	8536	End	9022
GI	none	Score	220
Exons	8536..8889, 8537..8878, 8887..9018, 8888..9022		
Seq. No.	10537	Seq. ID	OJ990620_31.9922.C9
Gene No.	22352	Strand	-
Start	8299	End	9135
Name	OJ990620_31.9922.C9.o1.ts	Method	TBLASTX:Soybean
Start	8536	End	8994
GI	none	Score	81
Exons	8536..8871, 8609..8872, 8875..8994		
Seq. No.	10537	Seq. ID	OJ990620_31.9922.C9
Gene No.	22352	Strand	-
Start	8299	End	9135
Name	OJ990620_31.9922.C9.o1.gp	Method	AAT/GAP
Start	8550	End	9135
GI	67182_1.R1084	Score	1109
Exons	8550..9135		
GI Descrip.	'4204300 1.0e-23 (AC003027) Unknown protein [Arabidopsis thaliana]'		
Seq. No.	10538	Seq. ID	OJ990620_31.9922.C11
Gene No.	22353	Strand	+
Start	2607	End	6699
Name	OJ990620_31.9922.C11.o1.gp	Method	AAT/GAP
Start	2607	End	2864
GI	2427441	Score	493
Exons	2607..2864		
Seq. No.	10538	Seq. ID	OJ990620_31.9922.C11

Gene No.	22353	Strand	+
Start	2607	End	6699
Name	OJ990620_31.9922.C11.o1.gs	Method	GENSCAN
Start	2758	End	6699
GI	none	Score	.46
Exons	2758..3004, 3018..3115, 3606..4051, 6261..6699		

Seq. No.	10538	Seq. ID	OJ990620_31.9922.C11
Gene No.	22353	Strand	+
Start	2607	End	6699
Name	OJ990620_31.9922.C11.o1.np	Method	AAT/NAP
Start	2758	End	6696
GI	6179940	Score	1170
Exons	2758..2922, 3606..3836, 3870..4051, 6261..6696		
GI Descrip.	(AF191497) DnaJ-like protein [Nicotiana tabacum]		

Seq. No.	10538	Seq. ID	OJ990620_31.9922.C11
Gene No.	22353	Strand	+
Start	2607	End	6699
Name	OJ990620_31.9922.C11.o3.gp	Method	AAT/GAP
Start	3646	End	3996
GI	4768979	Score	683
Exons	3646..3996		
GI Descrip.	4768980/gb|AAD29703.1|AF140490_1 1.0e-35 (AF140490) heat-shock protein [Oryza sativa]		

Seq. No.	10538	Seq. ID	OJ990620_31.9922.C11
Gene No.	22354	Strand	+
Start	7443	End	7885
Name	OJ990620_31.9922.C11.o4.gp	Method	AAT/GAP
Start	7443	End	7885
GI	3766882	Score	621
Exons	7443..7885		

Seq. No.	10538	Seq. ID	OJ990620_31.9922.C11
Gene No.	22355	Strand	-
Start	7770	End	11098
Name	OJ990620_31.9922.C11.o2.tc	Method	TBLASTX:Cress
Start	2751	End	6387
GI	none	Score	256
Exons	2751..2924, 2758..2925, 3588..3653, 3606..3662, 3732..3776, 3737..3802, 3945..4052, 3947..4051, 6262..6387, 6273..6383		

Seq. No.	10538	Seq. ID	OJ990620_31.9922.C11
Gene No.	22355	Strand	-
Start	7770	End	11098
Name	OJ990620_31.9922.C11.o4.ts	Method	TBLASTX:Soybean
Start	2754	End	3755
GI	none	Score	263
Exons	2754..2924, 2758..2925, 3603..3674, 3732..3755		

Seq. No.	10538	Seq. ID	OJ990620_31.9922.C11
Gene No.	22355	Strand	-
Start	7770	End	11098
Name	OJ990620_31.9922.C11.o5.tm	Method	TBLASTX:Maize
Start	2756	End	2937
GI	none	Score	61

Exons	2756..2785, 2758..2937, 2828..2923		
Seq. No.	10538	Seq. ID	OJ990620_31.9922.C11
Gene No.	22355	Strand	-
Start	7770	End	11098
Name	OJ990620_31.9922.C11.o4.tm	Method	TBLASTX:Maize
Start	3836	End	4052
GI	none	Score	204
Exons	3836..4042, 3850..4029, 3857..4051, 3861..4052		
Seq. No.	10538	Seq. ID	OJ990620_31.9922.C11
Gene No.	22355	Strand	-
Start	7770	End	11098
Name	OJ990620_31.9922.C11.o1.ts	Method	TBLASTX:Soybean
Start	3867	End	6710
GI	none	Score	40
Exons	3867..3914, 3941..4054, 3942..4052, 6295..6690, 6303..6710		
Seq. No.	10538	Seq. ID	OJ990620_31.9922.C11
Gene No.	22355	Strand	-
Start	7770	End	11098
Name	OJ990620_31.9922.C11.o1.tw	Method	TBLASTX:Wheat
Start	6259	End	6690
GI	none	Score	589
Exons	6259..6480, 6264..6686, 6265..6690		
Seq. No.	10538	Seq. ID	OJ990620_31.9922.C11
Gene No.	22355	Strand	-
Start	7770	End	11098
Name	OJ990620_31.9922.C11.o2.tm	Method	TBLASTX:Maize
Start	6262	End	6699
GI	none	Score	599
Exons	6262..6699, 6264..6533, 6541..6684, 6579..6689		
Seq. No.	10538	Seq. ID	OJ990620_31.9922.C11
Gene No.	22355	Strand	-
Start	7770	End	11098
Name	OJ990620_31.9922.C11.o1.tc	Method	TBLASTX:Cress
Start	6388	End	6746
GI	none	Score	182
Exons	6388..6528, 6390..6527, 6514..6690, 6525..6746		
Seq. No.	10538	Seq. ID	OJ990620_31.9922.C11
Gene No.	22355	Strand	-
Start	7770	End	11098
Name	OJ990620_31.9922.C11.o3.tm	Method	TBLASTX:Maize
Start	7752	End	9516
GI	none	Score	72
Exons	7752..7910, 7772..7879, 7947..8036, 8141..8422, 8160..8420, 8262..8426, 9349..9516		
Seq. No.	10538	Seq. ID	OJ990620_31.9922.C11
Gene No.	22355	Strand	-
Start	7770	End	11098
Name	OJ990620_31.9922.C11.o2.gs	Method	GENSCAN
Start	7770	End	11098
GI	none	Score	.85

Exons	7770..8813, 9064..9676, 10183..10255, 10978..11098		
Seq. No.	10538	Seq. ID	OJ990620_31.9922.C11
Gene No.	22355	Strand	-
Start	7770	End	11098
Name	OJ990620_31.9922.C11.o5.gp	Method	AAT/GAP
Start	8061	End	8417
GI	3766881	Score	665
Exons	8061..8417		
Seq. No.	10538	Seq. ID	OJ990620_31.9922.C11
Gene No.	22355	Strand	-
Start	7770	End	11098
Name	OJ990620_31.9922.C11.o3.ts	Method	TBLASTX:Soybean
Start	8082	End	8498
GI	none	Score	88
Exons	8082..8498, 8085..8306, 8342..8452		
Seq. No.	10538	Seq. ID	OJ990620_31.9922.C11
Gene No.	22355	Strand	-
Start	7770	End	11098
Name	OJ990620_31.9922.C11.o1.tm	Method	TBLASTX:Maize
Start	8427	End	9346
GI	none	Score	61
Exons	8427..8531, 8427..8531, 8523..8738, 8525..8743, 8527..8736, 8740..8769, 8742..8801, 8763..8807, 8763..8813, 8767..8820, 8879..8965, 8907..8990, 8908..8988, 8913..8996, 9054..9338, 9059..9211, 9064..9342, 9254..9343, 9257..9346		
Seq. No.	10538	Seq. ID	OJ990620_31.9922.C11
Gene No.	22355	Strand	-
Start	7770	End	11098
Name	OJ990620_31.9922.C11.o2.ts	Method	TBLASTX:Soybean
Start	8499	End	9645
GI	none	Score	131
Exons	8499..8576, 8512..8811, 8524..8814, 8640..8816, 8943..8990, 8944..8988, 9054..9377, 9064..9579, 9257..9517, 9349..9645		
Seq. No.	10538	Seq. ID	OJ990620_31.9922.C11
Gene No.	22355	Strand	-
Start	7770	End	11098
Name	OJ990620_31.9922.C11.o6.gp	Method	AAT/GAP
Start	9794	End	10246
GI	none	Score	872
Exons	9794..10246		
Seq. No.	10539	Seq. ID	OJ990620_31.9922.C12
Gene No.	22356	Strand	-
Start	1	End	626
Name	OJ990620_31.9922.C12.o1.np	Method	AAT/NAP
Start	1	End	626
GI	2498930	Score	734
Exons	1..395, 563..626		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		
Seq. No.	10539	Seq. ID	OJ990620_31.9922.C12

Gene No.	22356	Strand	-
Start	1	End	626
Name	OJ990620_31.9922.C12.o1.gs	Method	GENSCAN
Start	93	End	622
GI	none	Score	.47
Exons	93..395, 563..622		

Seq. No.	10540	Seq. ID	OJ990620_31.9922.C13
Gene No.	22357	Strand	+
Start	17	End	421
Name	OJ990620_31.9922.C13.o1.gs	Method	GENSCAN
Start	17	End	421
GI	none	Score	.59
Exons	17..421		

Seq. No.	10541	Seq. ID	OJ990620_31.9922.C14
Gene No.	22358	Strand	+
Start	536	End	617
Name	OJ990620_31.9922.C14.o1.gs	Method	GENSCAN
Start	536	End	617
GI	none	Score	.47
Exons	536..617		

Seq. No.	10541	Seq. ID	OJ990620_31.9922.C14
Gene No.	22359	Strand	-
Start	1	End	630
Name	OJ990620_31.9922.C14.o1.np	Method	AAT/NAP
Start	1	End	630
GI	4006833	Score	178
Exons	1..630		
GI Descrip.	(AC005970) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	10541	Seq. ID	OJ990620_31.9922.C14
Gene No.	22359	Strand	-
Start	1	End	630
Name	OJ990620_31.9922.C14.o1.tm	Method	TBLASTX:Maize
Start	132	End	630
GI	none	Score	69
Exons	132..329, 142..486, 177..503, 496..630		

Seq. No.	10541	Seq. ID	OJ990620_31.9922.C14
Gene No.	22359	Strand	-
Start	1	End	630
Name	OJ990620_31.9922.C14.o1.tw	Method	TBLASTX:Wheat
Start	189	End	488
GI	none	Score	112
Exons	189..488, 211..486		

Seq. No.	10542	Seq. ID	OJ990620_39.9919.C1
Gene No.	22360	Strand	+
Start	55	End	1416
Name	OJ990620_39.9919.C1.o1.gs	Method	GENSCAN
Start	55	End	1416
GI	none	Score	.65
Exons	55..428, 617..682, 1259..1416		

Seq. No.	10542	Seq. ID	OJ990620_39.9919.C1
Gene No.	22361	Strand	+
Start	3229	End	3867
Name	OJ990620_39.9919.C1.o1.np	Method	AAT/NAP
Start	2206	End	3839
GI	6091769	Score	127
Exons	2206..2235, 3574..3839		
GI Descrip.	(AC009327) unknown protein [Arabidopsis thaliana]		

Seq. No.	10542	Seq. ID	OJ990620_39.9919.C1
Gene No.	22361	Strand	+
Start	3229	End	3867
Name	OJ990620_39.9919.C1.o2.gs	Method	GENSCAN
Start	3229	End	3867
GI	none	Score	.95
Exons	3229..3867		

Seq. No.	10542	Seq. ID	OJ990620_39.9919.C1
Gene No.	22361	Strand	+
Start	3229	End	3867
Name	OJ990620_39.9919.C1.o1.tm	Method	TBLASTX:Maize
Start	3633	End	3830
GI	none	Score	192
Exons	3633..3830, 3634..3828		

Seq. No.	10543	Seq. ID	OJ990620_39.9919.C2
Gene No.	22362	Strand	+
Start	289	End	1040
Name	OJ990620_39.9919.C2.o1.gs	Method	GENSCAN
Start	289	End	1040
GI	none	Score	.56
Exons	289..403, 761..1040		

Seq. No.	10544	Seq. ID	OJ990620_39.9919.C5
Gene No.	22363	Strand	+
Start	404	End	532
Name	OJ990620_39.9919.C5.o1.gs	Method	GENSCAN
Start	404	End	532
GI	none	Score	.42
Exons	404..532		

Seq. No.	10544	Seq. ID	OJ990620_39.9919.C5
Gene No.	22364	Strand	-
Start	1884	End	1970
Name	OJ990620_39.9919.C5.o2.gs	Method	GENSCAN
Start	1884	End	1970
GI	none	Score	.83
Exons	1884..1970		

Seq. No.	10545	Seq. ID	OJ990620_39.9919.C6
Gene No.	22365	Strand	+
Start	1562	End	3094
Name	OJ990620_39.9919.C6.o1.np	Method	AAT/NAP
Start	1562	End	3094
GI	5852179	Score	322
Exons	1562..1582, 2572..2784, 2859..3094		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	10545	Seq. ID	OJ990620_39.9919.C6
Gene No.	22366	Strand	-
Start	666	End	941
Name	OJ990620_39.9919.C6.o1.gp	Method	AAT/GAP
Start	666	End	941
GI	61605_1.R1084	Score	457
Exons	666..941		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	10545	Seq. ID	OJ990620_39.9919.C6
Gene No.	22367	Strand	-
Start	1927	End	2658
Name	OJ990620_39.9919.C6.o2.gp	Method	AAT/GAP
Start	1927	End	2658
GI	101153_1.R1084	Score	397
Exons	1927..2172, 2620..2658		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	10546	Seq. ID	OJ990620_39.9919.C7
Gene No.	22368	Strand	-
Start	212	End	2682
Name	OJ990620_39.9919.C7.o1.gs	Method	GENSCAN
Start	212	End	2682
GI	none	Score	.52
Exons	212..280, 355..534, 2656..2682		

Seq. No.	10547	Seq. ID	OJ990620_39.9919.C8
Gene No.	22369	Strand	+
Start	1620	End	6496
Name	OJ990620_39.9919.C8.o1.gs	Method	GENSCAN
Start	1620	End	6496
GI	none	Score	.54
Exons	1620..1723, 2388..2685, 2819..2973, 3406..3508, 3815..3946, 4051..4170, 5082..5228, 5459..5773, 6116..6496		

Seq. No.	10547	Seq. ID	OJ990620_39.9919.C8
Gene No.	22370	Strand	+
Start	8688	End	10551
Name	OJ990620_39.9919.C8.o2.np	Method	AAT/NAP
Start	7670	End	10551
GI	3033395	Score	150
Exons	7670..7776, 8914..9248, 10515..10551		
GI Descrip.	(AC004238) putative RING zinc finger protein [Arabidopsis thaliana]		

Seq. No.	10547	Seq. ID	OJ990620_39.9919.C8
Gene No.	22370	Strand	+
Start	8688	End	10551
Name	OJ990620_39.9919.C8.o2.gs	Method	GENSCAN
Start	8688	End	9245
GI	none	Score	1
Exons	8688..9245		

Seq. No.	10547	Seq. ID	OJ990620_39.9919.C8

Gene No.	22371	Strand	-
Start	2244	End	7401
Name	OJ990620_39.9919.C8.o1.np	Method	AAT/NAP
Start	2244	End	7401
GI	4680203	Score	678
Exons	2244..2283, 4454..5310, 7376..7401		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	10547	Seq. ID	OJ990620_39.9919.C8
Gene No.	22371	Strand	-
Start	2244	End	7401
Name	OJ990620_39.9919.C8.o1.ts	Method	TBLASTX:Soybean
Start	4624	End	4857
GI	none	Score	198
Exons	4624..4857		

Seq. No.	10547	Seq. ID	OJ990620_39.9919.C8
Gene No.	22371	Strand	-
Start	2244	End	7401
Name	OJ990620_39.9919.C8.o1.tm	Method	TBLASTX:Maize
Start	4696	End	5137
GI	none	Score	103
Exons	4696..4887, 4697..4888, 4903..5136, 4910..5137		

Seq. No.	10547	Seq. ID	OJ990620_39.9919.C8
Gene No.	22371	Strand	-
Start	2244	End	7401
Name	OJ990620_39.9919.C8.o1.tw	Method	TBLASTX:Wheat
Start	4727	End	5193
GI	none	Score	65
Exons	4727..4888, 4732..4905, 4732..4887, 4931..5026, 4933..5028, 5035..5139, 5042..5149, 5129..5185, 5137..5193		

Seq. No.	10547	Seq. ID	OJ990620_39.9919.C8
Gene No.	22371	Strand	-
Start	2244	End	7401
Name	OJ990620_39.9919.C8.o1.tc	Method	TBLASTX:Cress
Start	4981	End	5317
GI	none	Score	81
Exons	4981..5316, 4982..5134, 5174..5317		

Seq. No.	10547	Seq. ID	OJ990620_39.9919.C8
Gene No.	22371	Strand	-
Start	2244	End	7401
Name	OJ990620_39.9919.C8.o3.ts	Method	TBLASTX:Soybean
Start	5062	End	5317
GI	none	Score	95
Exons	5062..5316, 5063..5317		

Seq. No.	10547	Seq. ID	OJ990620_39.9919.C8
Gene No.	22372	Strand	
Start	8964	End	9199
Name	OJ990620_39.9919.C8.o2.ts	Method	TBLASTX:Soybean
Start	8964	End	9199
GI	none	Score	195
Exons	8964..9194, 8975..9199		

Seq. No.	10547	Seq. ID	OJ990620_39.9919.C8
Gene No.	22372	Strand	
Start	8964	End	9199
Name	OJ990620_39.9919.C8.o2.tm	Method	TBLASTX:Maize
Start	9033	End	9191
GI	none	Score	192
Exons	9033..9191, 9035..9190		

Seq. No.	10548	Seq. ID	OJ990620_39.9919.C9
Gene No.	22373	Strand	+
Start	1	End	6610
Name	OJ990620_39.9919.C9.o1.np	Method	AAT/NAP
Start	1	End	6610
GI	1076211	Score	162
Exons	1..220, 6344..6610		
GI Descrip.	hypothetical protein VSP-3 - Chlamydomonas reinhardtii gi|530876 (L29029) amino acid feature: Rod protein domain, aa 266 .. 468; amino acid feature: globular protein domain, aa 32 .. 265 [Chlamydomonas reinhardtii]		

Seq. No.	10548	Seq. ID	OJ990620_39.9919.C9
Gene No.	22374	Strand	-
Start	2432	End	3935
Name	OJ990620_39.9919.C9.o2.gs	Method	GENSCAN
Start	2432	End	3935
GI	none	Score	.6
Exons	2432..2454, 2633..2707, 3730..3795, 3818..3935		

Seq. No.	10549	Seq. ID	OJ990620_39.9919.C11
Gene No.	22375	Strand	-
Start	1	End	853
Name	OJ990620_39.9919.C11.o1.np	Method	AAT/NAP
Start	1	End	853
GI	5734778	Score	146
Exons	1..89, 170..242, 827..853		
GI Descrip.	(AC007980) 63045 [Arabidopsis thaliana]		

Seq. No.	10550	Seq. ID	OJ990620_39.9919.C12
Gene No.	22376	Strand	+
Start	3314	End	4528
Name	OJ990620_39.9919.C12.o2.np	Method	AAT/NAP
Start	3314	End	4528
GI	6721543	Score	78
Exons	3314..3443, 4094..4169, 4488..4528		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	10550	Seq. ID	OJ990620_39.9919.C12
Gene No.	22377	Strand	-
Start	1	End	2559
Name	OJ990620_39.9919.C12.o1.np	Method	AAT/NAP
Start	1	End	2559
GI	5734778	Score	688
Exons	1..76, 186..274, 771..834, 1261..1353, 1437..1511, 1604..1696, 2280..2354, 2470..2559		
GI Descrip.	(AC007980) 63045 [Arabidopsis thaliana]		

Seq. No.	10550	Seq. ID	OJ990620_39.9919.C12

Gene No.	22377	Strand	-
Start	1	End	2559
Name	OJ990620_39.9919.C12.o1.gs	Method	GENSCAN
Start	190	End	2559
GI	none	Score	.81
Exons	190..274, 771..834, 1261..1371, 1437..1511, 1604..1696, 2280..2354, 2470..2559		

Seq. No.	10550	Seq. ID	OJ990620_39.9919.C12
Gene No.	22378	Strand	-
Start	3953	End	6420
Name	OJ990620_39.9919.C12.o1.gp	Method	AAT/GAP
Start	3675	End	4128
GI	LIB3431-045-P1-N1-A10	Score	852
Exons	3675..4128		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	10550	Seq. ID	OJ990620_39.9919.C12
Gene No.	22378	Strand	-
Start	3953	End	6420
Name	OJ990620_39.9919.C12.o2.gs	Method	GENSCAN
Start	3953	End	6354
GI	none	Score	.73
Exons	3953..4113, 4264..4466, 4471..4518, 4582..4713, 4960..5057, 5084..5209, 5302..5560, 5637..5935, 6028..6354		

Seq. No.	10550	Seq. ID	OJ990620_39.9919.C12
Gene No.	22378	Strand	-
Start	3953	End	6420
Name	OJ990620_39.9919.C12.o3.np	Method	AAT/NAP
Start	4232	End	6420
GI	5441880	Score	1640
Exons	4232..4466, 4582..4713, 4960..5057, 5302..5560, 5637..5939, 6368..6420		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	10550	Seq. ID	OJ990620_39.9919.C12
Gene No.	22378	Strand	-
Start	3953	End	6420
Name	OJ990620_39.9919.C12.o2.gp	Method	AAT/GAP
Start	5310	End	5809
GI	LIB3475-007-P1-K1-G8	Score	793
Exons	5310..5560, 5637..5809		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	10551	Seq. ID	OJ990620_39.9919.C13
Gene No.	22379	Strand	-
Start	1	End	1509
Name	OJ990620_39.9919.C13.o1.np	Method	AAT/NAP
Start	1	End	1509
GI	5441880	Score	1208
Exons	1..321, 427..577, 1081..1509		

GI Descrip. (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]

Seq. No.	10551	Seq. ID	OJ990620_39.9919.C13
Gene No.	22379	Strand	-
Start	1	End	1509
Name	OJ990620_39.9919.C13.o1.gs	Method	GENSCAN
Start	75	End	1158
GI	none	Score	.74
Exons	75..321, 427..577, 961..1158		

Seq. No.	10552	Seq. ID	OJ990620_39.9919.C14
Gene No.	22380	Strand	-
Start	113	End	281
Name	OJ990620_39.9919.C14.o1.gs	Method	GENSCAN
Start	113	End	281
GI	none	Score	.64
Exons	113..281		

Seq. No.	10553	Seq. ID	OJ990620_39.9919.C15
Gene No.	22381	Strand	+
Start	7	End	2661
Name	OJ990620_39.9919.C15.o1.gs	Method	GENSCAN
Start	7	End	2661
GI	none	Score	.58
Exons	7..35, 1530..1577, 2253..2331, 2415..2540, 2542..2661		

Seq. No.	10553	Seq. ID	OJ990620_39.9919.C15
Gene No.	22382	Strand	+
Start	4340	End	7069
Name	OJ990620_39.9919.C15.o1.np	Method	AAT/NAP
Start	4340	End	7003
GI	5902444	Score	4445
Exons	4340..7003		

GI Descrip. (AB030283) GAG-POL precursor [Oryza sativa]

Seq. No.	10553	Seq. ID	OJ990620_39.9919.C15
Gene No.	22382	Strand	+
Start	4340	End	7069
Name	OJ990620_39.9919.C15.o3.gs	Method	GENSCAN
Start	4340	End	7069
GI	none	Score	1
Exons	4340..7069		

Seq. No.	10553	Seq. ID	OJ990620_39.9919.C15
Gene No.	22383	Strand	-
Start	2915	End	3760
Name	OJ990620_39.9919.C15.o2.gs	Method	GENSCAN
Start	2915	End	3760
GI	none	Score	.65
Exons	2915..3760		

Seq. No.	10553	Seq. ID	OJ990620_39.9919.C15
Gene No.	22384	Strand	-
Start	7273	End	16268
Name	OJ990620_39.9919.C15.o1.tm	Method	TBLASTX:Maize

Start	2948	End	3856
GI	none	Score	62
Exons	2948..3058, 2955..3059, 3146..3364, 3177..3344, 3368..3523, 3734..3856		

Seq. No.	10553	Seq. ID	OJ990620_39.9919.C15
Gene No.	22384	Strand	-
Start	7273	End	16268
Name	OJ990620_39.9919.C15.o1.tc	Method	TBLASTX:Cress
Start	3146	End	3523
GI	none	Score	130
Exons	3146..3364, 3150..3344, 3368..3523		

Seq. No.	10553	Seq. ID	OJ990620_39.9919.C15
Gene No.	22384	Strand	-
Start	7273	End	16268
Name	OJ990620_39.9919.C15.o1.ts	Method	TBLASTX:Soybean
Start	3155	End	3523
GI	none	Score	104
Exons	3155..3364, 3177..3344, 3368..3523		

Seq. No.	10553	Seq. ID	OJ990620_39.9919.C15
Gene No.	22384	Strand	-
Start	7273	End	16268
Name	OJ990620_39.9919.C15.o4.tw	Method	TBLASTX:Wheat
Start	3176	End	3361
GI	none	Score	139
Exons	3176..3361, 3177..3347		

Seq. No.	10553	Seq. ID	OJ990620_39.9919.C15
Gene No.	22384	Strand	-
Start	7273	End	16268
Name	OJ990620_39.9919.C15.o3.tw	Method	TBLASTX:Wheat
Start	3396	End	3809
GI	none	Score	151
Exons	3396..3539, 3398..3520, 3579..3689, 3581..3706, 3746..3808, 3747..3809		

Seq. No.	10553	Seq. ID	OJ990620_39.9919.C15
Gene No.	22384	Strand	-
Start	7273	End	16268
Name	OJ990620_39.9919.C15.o2.tw	Method	TBLASTX:Wheat
Start	5641	End	6043
GI	none	Score	285
Exons	5641..5910, 5642..6043		

Seq. No.	10553	Seq. ID	OJ990620_39.9919.C15
Gene No.	22384	Strand	-
Start	7273	End	16268
Name	OJ990620_39.9919.C15.o1.tw	Method	TBLASTX:Wheat
Start	6671	End	6982
GI	none	Score	311
Exons	6671..6982, 6671..6829, 6718..6981		

Seq. No.	10553	Seq. ID	OJ990620_39.9919.C15
Gene No.	22384	Strand	-
Start	7273	End	16268

Name	OJ990620_39.9919.C15.o5.tw	Method	TBLASTX:Wheat
Start	7127	End	7416
GI	none	Score	66
Exons	7127..7315, 7309..7416		

Seq. No.	10553	Seq. ID	OJ990620_39.9919.C15
Gene No.	22384	Strand	-
Start	7273	End	16268
Name	OJ990620_39.9919.C15.o4.gs	Method	GENSCAN
Start	7273	End	16268
GI	none	Score	.55
Exons	7273..7286, 7407..7575, 8420..8533, 10357..10527, 10717..10855, 10963..11057, 12628..12735, 13031..13057, 14371..14652, 15185..15230, 15342..15449, 15689..15971, 15973..16268		

Seq. No.	10554	Seq. ID	OJ990620_39.9919.C16
Gene No.	22385	Strand	+
Start	1	End	571
Name	OJ990620_39.9919.C16.o1.np	Method	AAT/NAP
Start	1	End	571
GI	6539580	Score	78
Exons	1..122, 228..387, 530..571		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	10554	Seq. ID	OJ990620_39.9919.C16
Gene No.	22385	Strand	+
Start	1	End	571
Name	OJ990620_39.9919.C16.o1.gs	Method	GENSCAN
Start	228	End	371
GI	none	Score	.97
Exons	228..371		

Seq. No.	10555	Seq. ID	OJ990620_39.9919.C17
Gene No.	22386	Strand	-
Start	70	End	211
Name	OJ990620_39.9919.C17.o1.gs	Method	GENSCAN
Start	70	End	211
GI	none	Score	.62
Exons	70..211		

Seq. No.	10556	Seq. ID	OJ990620_39.9919.C18
Gene No.	22387	Strand	+
Start	1	End	1027
Name	OJ990620_39.9919.C18.o1.np	Method	AAT/NAP
Start	1	End	1027
GI	5734778	Score	99
Exons	1..139, 1009..1027		
GI Descrip.	(AC007980) 63045 [Arabidopsis thaliana]		

Seq. No.	10556	Seq. ID	OJ990620_39.9919.C18
Gene No.	22387	Strand	+
Start	1	End	1027
Name	OJ990620_39.9919.C18.o1.tm	Method	TBLASTX:Maize
Start	101	End	403
GI	none	Score	178
Exons	101..196, 102..206, 102..203, 251..364, 252..356, 254..358, 356..403, 358..402		

Seq. No.	10556	Seq. ID	OJ990620_39.9919.C18
Gene No.	22387	Strand	+
Start	1	End	1027
Name	OJ990620_39.9919.C18.o1.gp	Method	AAT/GAP
Start	302	End	401
GI	none	Score	164
Exons	302..401		

Seq. No.	10557	Seq. ID	OJ990620_39.9919.C19
Gene No.	22388	Strand	+
Start	1	End	1024
Name	OJ990620_39.9919.C19.o1.np	Method	AAT/NAP
Start	1	End	303
GI	5734778	Score	214
Exons	1..303		
GI Descrip.	(AC007980) 63045 [Arabidopsis thaliana]		

Seq. No.	10557	Seq. ID	OJ990620_39.9919.C19
Gene No.	22388	Strand	+
Start	1	End	1024
Name	OJ990620_39.9919.C19.o1.gs	Method	GENSCAN
Start	59	End	856
GI	none	Score	.93
Exons	59..193, 611..856		

Seq. No.	10557	Seq. ID	OJ990620_39.9919.C19
Gene No.	22388	Strand	+
Start	1	End	1024
Name	OJ990620_39.9919.C19.o1.tc	Method	TBLASTX:Cress
Start	617	End	841
GI	none	Score	113
Exons	617..730, 637..729, 725..841, 727..840		

Seq. No.	10557	Seq. ID	OJ990620_39.9919.C19
Gene No.	22388	Strand	+
Start	1	End	1024
Name	OJ990620_39.9919.C19.o1.gp	Method	AAT/GAP
Start	749	End	1024
GI	none	Score	544
Exons	749..1024		

Seq. No.	10558	Seq. ID	OJ990620_39.9919.C20
Gene No.	22389	Strand	+
Start	1348	End	3467
Name	OJ990620_39.9919.C20.o1.gs	Method	GENSCAN
Start	1348	End	3467
GI	none	Score	.51
Exons	1348..1467, 3008..3099, 3395..3467		

Seq. No.	10558	Seq. ID	OJ990620_39.9919.C20
Gene No.	22389	Strand	+
Start	1348	End	3467
Name	OJ990620_39.9919.C20.o1.gp	Method	AAT/GAP
Start	2465	End	2535
GI	3760640	Score	79
Exons	2465..2535		

GI Descrip.	4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]		
Seq. No.	10558	Seq. ID	OJ990620_39.9919.C20
Gene No.	22390	Strand	+
Start	5748	End	9232
Name	OJ990620_39.9919.C20.o3.np	Method	AAT/NAP
Start	5748	End	9232
GI	6728972	Score	119
Exons	5748..5805, 8271..8356, 8625..8716, 9044..9232		
GI Descrip.	(AC018363) unknown protein [Arabidopsis thaliana]		
Seq. No.	10558	Seq. ID	OJ990620_39.9919.C20
Gene No.	22390	Strand	+
Start	5748	End	9232
Name	OJ990620_39.9919.C20.o3.gs	Method	GENSCAN
Start	7170	End	9181
GI	none	Score	.92
Exons	7170..7425, 7525..7880, 8120..8182, 8271..8356, 8625..8739, 8875..9181		
Seq. No.	10558	Seq. ID	OJ990620_39.9919.C20
Gene No.	22391	Strand	-
Start	1371	End	6315
Name	OJ990620_39.9919.C20.o1.np	Method	AAT/NAP
Start	1371	End	5689
GI	6063557	Score	200
Exons	1371..1403, 5153..5287, 5509..5689		
GI Descrip.	(AP000615) similar to dJ522J7.2 (Z98885) [Oryza sativa]		
Seq. No.	10558	Seq. ID	OJ990620_39.9919.C20
Gene No.	22391	Strand	-
Start	1371	End	6315
Name	OJ990620_39.9919.C20.o2.gs	Method	GENSCAN
Start	4618	End	6315
GI	none	Score	.6
Exons	4618..4735, 4944..5108, 5918..6315		
Seq. No.	10558	Seq. ID	OJ990620_39.9919.C20
Gene No.	22391	Strand	-
Start	1371	End	6315
Name	OJ990620_39.9919.C20.o2.np	Method	AAT/NAP
Start	5923	End	6141
GI	6063539	Score	107
Exons	5923..6141		
GI Descrip.	(AP000615) hypothetical protein [Oryza sativa]		
Seq. No.	10559	Seq. ID	OJ990620_39.9919.C21
Gene No.	22392	Strand	+
Start	2784	End	6404
Name	OJ990620_39.9919.C21.o2.np	Method	AAT/NAP
Start	2784	End	6404
GI	4206306	Score	95
Exons	2784..2809, 4697..4921, 6297..6404		
GI Descrip.	(AF049110) prpol [Zea mays]		
Seq. No.	10559	Seq. ID	OJ990620_39.9919.C21

Gene No.	22392	Strand	+
Start	2784	End	6404
Name	OJ990620_39.9919.C21.o2.gs	Method	GENSCAN
Start	3290	End	4896
GI	none	Score	.79
Exons	3290..3365, 3611..3787, 3817..3964, 4023..4170, 4279..4288, 4467..4545, 4746..4896		

Seq. No.	10559	Seq. ID	OJ990620_39.9919.C21
Gene No.	22393	Strand	-
Start	5786	End	6158
Name	OJ990620_39.9919.C21.o3.gs	Method	GENSCAN
Start	5786	End	6158
GI	none	Score	.92
Exons	5786..5802, 5832..6021, 6126..6158		

Seq. No.	10560	Seq. ID	OJ990520_27.9922.C1
Gene No.	22394	Strand	+
Start	105	End	188
Name	OJ990520_27.9922.C1.o1.gs	Method	GENSCAN
Start	105	End	188
GI	none	Score	.98
Exons	105..188		

Seq. No.	10561	Seq. ID	OJ990520_27.9922.C2
Gene No.	22395	Strand	+
Start	2354	End	3527
Name	OJ990520_27.9922.C2.o2.np	Method	AAT/NAP
Start	2354	End	3527
GI	6539588	Score	81
Exons	2354..2380, 3097..3184, 3509..3527		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	10561	Seq. ID	OJ990520_27.9922.C2
Gene No.	22396	Strand	-
Start	535	End	2228
Name	OJ990520_27.9922.C2.o1.np	Method	AAT/NAP
Start	287	End	1144
GI	2832636	Score	58
Exons	287..380, 1019..1144		
GI Descrip.	(AL021711) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	10561	Seq. ID	OJ990520_27.9922.C2
Gene No.	22396	Strand	-
Start	535	End	2228
Name	OJ990520_27.9922.C2.o1.gs	Method	GENSCAN
Start	535	End	2228
GI	none	Score	.4
Exons	535..749, 1050..1175, 1218..1266, 1348..1533, 1641..2228		

Seq. No.	10562	Seq. ID	OJ990520_27.9922.C3
Gene No.	22397	Strand	+
Start	1	End	278
Name	OJ990520_27.9922.C3.o1.gp	Method	AAT/GAP
Start	1	End	278
GI	61605_1.R1084	Score	486
Exons	1..278		

GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		
Seq. No.	10562	Seq. ID	OJ990520_27.9922.C3
Gene No.	22398	Strand	+
Start	772	End	8987
Name	OJ990520_27.9922.C3.o1.np	Method	AAT/NAP
Start	772	End	5212
GI	5042447	Score	744
Exons	772..1886, 5188..5212		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		
Seq. No.	10562	Seq. ID	OJ990520_27.9922.C3
Gene No.	22398	Strand	+
Start	772	End	8987
Name	OJ990520_27.9922.C3.o1.gs	Method	GENSCAN
Start	838	End	1947
GI	none	Score	.65
Exons	838..1947		
Seq. No.	10562	Seq. ID	OJ990520_27.9922.C3
Gene No.	22398	Strand	+
Start	772	End	8987
Name	OJ990520_27.9922.C3.o3.gs	Method	GENSCAN
Start	4763	End	8987
GI	none	Score	.44
Exons	4763..4883, 5392..5424, 5445..5718, 5945..6880, 8348..8987		
Seq. No.	10562	Seq. ID	OJ990520_27.9922.C3
Gene No.	22398	Strand	+
Start	772	End	8987
Name	OJ990520_27.9922.C3.o3.np	Method	AAT/NAP
Start	5963	End	8874
GI	6403505	Score	201
Exons	5963..5981, 8346..8874		
GI Descrip.	(AC010871) putative serine/threonine protein kinase [Arabidopsis thaliana]		
Seq. No.	10562	Seq. ID	OJ990520_27.9922.C3
Gene No.	22399	Strand	+
Start	11468	End	14178
Name	OJ990520_27.9922.C3.o5.gs	Method	GENSCAN
Start	11468	End	14178
GI	none	Score	.49
Exons	11468..11523, 11535..11958, 12263..12530, 12647..12681, 12768..13050, 13086..13475, 13549..13737, 14099..14178		
Seq. No.	10562	Seq. ID	OJ990520_27.9922.C3
Gene No.	22399	Strand	+
Start	11468	End	14178
Name	OJ990520_27.9922.C3.o4.np	Method	AAT/NAP
Start	11797	End	13906
GI	6691716	Score	1726
Exons	11797..12681, 12879..13029, 13086..13229, 13306..13475, 13549..13737, 13813..13906		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein		

[Oryza sativa]

Seq. No.	10562	Seq. ID	OJ990520_27.9922.C3
Gene No.	22400	Strand	-
Start	932	End	1419
Name	OJ990520_27.9922.C3.o2.gp	Method	AAT/GAP
Start	932	End	1419
GI	uC-osflcyp162a07a1	Score	667
Exons	932..1163, 1263..1419		
GI Descrip.	'4680179/gb|AAD27547.1|AF111709_1 2.0e-40 (AF111709) polyprotein [Oryza sativa subsp. indica]'		

Seq. No.	10562	Seq. ID	OJ990520_27.9922.C3
Gene No.	22401	Strand	-
Start	2698	End	3655
Name	OJ990520_27.9922.C3.o1.tw	Method	TBLASTX:Wheat
Start	1000	End	1356
GI	none	Score	297
Exons	1000..1356, 1008..1178, 1215..1355		

Seq. No.	10562	Seq. ID	OJ990520_27.9922.C3
Gene No.	22401	Strand	-
Start	2698	End	3655
Name	OJ990520_27.9922.C3.o2.tm	Method	TBLASTX:Maize
Start	1237	End	1551
GI	none	Score	212
Exons	1237..1500, 1263..1424, 1465..1551		

Seq. No.	10562	Seq. ID	OJ990520_27.9922.C3
Gene No.	22401	Strand	-
Start	2698	End	3655
Name	OJ990520_27.9922.C3.o2.gs	Method	GENSCAN
Start	2698	End	3518
GI	none	Score	.91
Exons	2698..3111, 3131..3364, 3387..3518		

Seq. No.	10562	Seq. ID	OJ990520_27.9922.C3
Gene No.	22401	Strand	-
Start	2698	End	3655
Name	OJ990520_27.9922.C3.o2.np	Method	AAT/NAP
Start	3156	End	3655
GI	5852179	Score	381
Exons	3156..3655		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	10562	Seq. ID	OJ990520_27.9922.C3
Gene No.	22402	Strand	
Start	8334	End	8876
Name	OJ990520_27.9922.C3.o1.tm	Method	TBLASTX:Maize
Start	8334	End	8870
GI	none	Score	205
Exons	8334..8585, 8375..8593, 8601..8654, 8727..8870		

Seq. No.	10562	Seq. ID	OJ990520_27.9922.C3
Gene No.	22402	Strand	
Start	8334	End	8876
Name	OJ990520_27.9922.C3.o2.tw	Method	TBLASTX:Wheat

Start	8334	End	8654
GI	none	Score	190
Exons	8334..8564, 8604..8654		

Seq. No.	10562	Seq. ID	OJ990520_27.9922.C3
Gene No.	22402	Strand	
Start	8334	End	8876
Name	OJ990520_27.9922.C3.o1.ts	Method	TBLASTX:Soybean
Start	8340	End	8654
GI	none	Score	209
Exons	8340..8594, 8601..8654		

Seq. No.	10562	Seq. ID	OJ990520_27.9922.C3
Gene No.	22402	Strand	
Start	8334	End	8876
Name	OJ990520_27.9922.C3.o1.tc	Method	TBLASTX:Cress
Start	8346	End	8876
GI	none	Score	168
Exons	8346..8582, 8598..8654, 8727..8876		

Seq. No.	10562	Seq. ID	OJ990520_27.9922.C3
Gene No.	22403	Strand	
Start	11975	End	12181
Name	OJ990520_27.9922.C3.o3.tw	Method	TBLASTX:Wheat
Start	11975	End	12181
GI	none	Score	194
Exons	11975..12181		

Seq. No.	10563	Seq. ID	OJ990520_27.9922.C4
Gene No.	22404	Strand	+
Start	7431	End	7979
Name	OJ990520_27.9922.C4.o2.gp	Method	AAT/GAP
Start	7224	End	7294
GI	uC-osroM202024h08a1	Score	96
Exons	7224..7294		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 5.0e-84 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	10563	Seq. ID	OJ990520_27.9922.C4
Gene No.	22404	Strand	+
Start	7431	End	7979
Name	OJ990520_27.9922.C4.o2.gs	Method	GENSCAN
Start	7431	End	7979
GI	none	Score	.97
Exons	7431..7979		

Seq. No.	10563	Seq. ID	OJ990520_27.9922.C4
Gene No.	22405	Strand	-
Start	1	End	5736
Name	OJ990520_27.9922.C4.o2.np	Method	AAT/NAP
Start	1	End	5210
GI	4680179	Score	2496
Exons	1..24, 1806..3115, 3143..4134, 5191..5210		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	10563	Seq. ID	OJ990520_27.9922.C4
Gene No.	22405	Strand	-

Start	1	End	5736
Name	OJ990520_27.9922.C4.o1.np	Method	AAT/NAP
Start	652	End	5736
GI	4680186	Score	335
Exons	652..853, 1693..1772, 2929..3002, 5644..5736		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	10563	Seq. ID	OJ990520_27.9922.C4
Gene No.	22405	Strand	-
Start	1	End	5736
Name	OJ990520_27.9922.C4.o3.np	Method	AAT/NAP
Start	4446	End	5207
GI	4512229	Score	1270
Exons	4446..5207		
GI Descrip.	(AB014740) ORF0 protein [Oryza sativa]		

Seq. No.	10563	Seq. ID	OJ990520_27.9922.C4
Gene No.	22406	Strand	-
Start	8647	End	10768
Name	OJ990520_27.9922.C4.o2.ts	Method	TBLASTX:Soybean
Start	1799	End	10746
GI	none	Score	142
Exons	1799..1984, 1809..1973, 1947..2090, 2012..2092, 2039..2092, 2096..2128, 2096..2128, 10669..10746		

Seq. No.	10563	Seq. ID	OJ990520_27.9922.C4
Gene No.	22406	Strand	-
Start	8647	End	10768
Name	OJ990520_27.9922.C4.o8.tw	Method	TBLASTX:Wheat
Start	1799	End	10768
GI	none	Score	169
Exons	1799..1981, 1809..1973, 10655..10768, 10657..10767		

Seq. No.	10563	Seq. ID	OJ990520_27.9922.C4
Gene No.	22406	Strand	-
Start	8647	End	10768
Name	OJ990520_27.9922.C4.o6.tm	Method	TBLASTX:Maize
Start	1799	End	10768
GI	none	Score	76
Exons	1799..1906, 1809..1907, 10588..10746, 10589..10768, 10661..10768		

Seq. No.	10563	Seq. ID	OJ990520_27.9922.C4
Gene No.	22406	Strand	-
Start	8647	End	10768
Name	OJ990520_27.9922.C4.o4.tm	Method	TBLASTX:Maize
Start	2039	End	2482
GI	none	Score	134
Exons	2039..2482, 2048..2410		

Seq. No.	10563	Seq. ID	OJ990520_27.9922.C4
Gene No.	22406	Strand	-
Start	8647	End	10768
Name	OJ990520_27.9922.C4.o4.tw	Method	TBLASTX:Wheat
Start	2069	End	2555
GI	none	Score	207
Exons	2069..2551, 2111..2548, 2262..2555		

Seq. No.	10563	Seq. ID	OJ990520_27.9922.C4
Gene No.	22406	Strand	-
Start	8647	End	10768
Name	OJ990520_27.9922.C4.o4.ts	Method	TBLASTX:Soybean
Start	2201	End	2515
GI	none	Score	196
Exons	2201..2515		

Seq. No.	10563	Seq. ID	OJ990520_27.9922.C4
Gene No.	22406	Strand	-
Start	8647	End	10768
Name	OJ990520_27.9922.C4.o9.tm	Method	TBLASTX:Maize
Start	2483	End	2680
GI	none	Score	127
Exons	2483..2680, 2484..2633		

Seq. No.	10563	Seq. ID	OJ990520_27.9922.C4
Gene No.	22406	Strand	-
Start	8647	End	10768
Name	OJ990520_27.9922.C4.o7.tw	Method	TBLASTX:Wheat
Start	2684	End	3037
GI	none	Score	57
Exons	2684..3037, 2727..2861		

Seq. No.	10563	Seq. ID	OJ990520_27.9922.C4
Gene No.	22406	Strand	-
Start	8647	End	10768
Name	OJ990520_27.9922.C4.o7.tm	Method	TBLASTX:Maize
Start	2771	End	3091
GI	none	Score	193
Exons	2771..3091		

Seq. No.	10563	Seq. ID	OJ990520_27.9922.C4
Gene No.	22406	Strand	-
Start	8647	End	10768
Name	OJ990520_27.9922.C4.o6.tw	Method	TBLASTX:Wheat
Start	3392	End	3740
GI	none	Score	70
Exons	3392..3736, 3606..3740		

Seq. No.	10563	Seq. ID	OJ990520_27.9922.C4
Gene No.	22406	Strand	-
Start	8647	End	10768
Name	OJ990520_27.9922.C4.o5.tm	Method	TBLASTX:Maize
Start	3437	End	3736
GI	none	Score	47
Exons	3437..3736, 3438..3518, 3589..3618, 3606..3710		

Seq. No.	10563	Seq. ID	OJ990520_27.9922.C4
Gene No.	22406	Strand	-
Start	8647	End	10768
Name	OJ990520_27.9922.C4.o9.tw	Method	TBLASTX:Wheat
Start	3788	End	3970
GI	none	Score	127
Exons	3788..3970, 3789..3968		

Seq. No.	10563	Seq. ID	OJ990520_27.9922.C4

Gene No.	22406	Strand	-
Start	8647	End	10768
Name	OJ990520_27.9922.C4.o8.tm	Method	TBLASTX:Maize
Start	8640	End	8886
GI	none	Score	48
Exons	8640..8672, 8640..8666, 8674..8856, 8674..8886		

Seq. No.	10563	Seq. ID	OJ990520_27.9922.C4
Gene No.	22406	Strand	-
Start	8647	End	10768
Name	OJ990520_27.9922.C4.o3.gs	Method	GENSCAN
Start	8647	End	10701
GI	none	Score	.99
Exons	8647..10701		

Seq. No.	10563	Seq. ID	OJ990520_27.9922.C4
Gene No.	22406	Strand	-
Start	8647	End	10768
Name	OJ990520_27.9922.C4.o4.np	Method	AAT/NAP
Start	8650	End	10762
GI	4680179	Score	3137
Exons	8650..10762		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	10563	Seq. ID	OJ990520_27.9922.C4
Gene No.	22406	Strand	-
Start	8647	End	10768
Name	OJ990520_27.9922.C4.o5.tw	Method	TBLASTX:Wheat
Start	8695	End	9028
GI	none	Score	41
Exons	8695..9027, 8888..8935, 8911..9012, 8954..9028		

Seq. No.	10563	Seq. ID	OJ990520_27.9922.C4
Gene No.	22406	Strand	-
Start	8647	End	10768
Name	OJ990520_27.9922.C4.o1.tm	Method	TBLASTX:Maize
Start	8890	End	9474
GI	none	Score	80
Exons	8890..9315, 9014..9103, 9155..9316, 9311..9466, 9313..9474, 9320..9466, 9322..9468		

Seq. No.	10563	Seq. ID	OJ990520_27.9922.C4
Gene No.	22406	Strand	-
Start	8647	End	10768
Name	OJ990520_27.9922.C4.o1.tw	Method	TBLASTX:Wheat
Start	9028	End	9654
GI	none	Score	127
Exons	9028..9279, 9028..9654, 9149..9652		

Seq. No.	10563	Seq. ID	OJ990520_27.9922.C4
Gene No.	22406	Strand	-
Start	8647	End	10768
Name	OJ990520_27.9922.C4.o3.tm	Method	TBLASTX:Maize
Start	9523	End	9814
GI	none	Score	291
Exons	9523..9813, 9527..9814, 9542..9814		

Seq. No.	10563	Seq. ID	OJ990520_27.9922.C4
Gene No.	22406	Strand	-
Start	8647	End	10768
Name	OJ990520_27.9922.C4.o1.ts	Method	TBLASTX:Soybean
Start	9613	End	9862
GI	none	Score	187
Exons	9613..9861, 9614..9862		

Seq. No.	10563	Seq. ID	OJ990520_27.9922.C4
Gene No.	22406	Strand	-
Start	8647	End	10768
Name	OJ990520_27.9922.C4.o2.tw	Method	TBLASTX:Wheat
Start	9661	End	10197
GI	none	Score	406
Exons	9661..10197, 9662..10195		

Seq. No.	10563	Seq. ID	OJ990520_27.9922.C4
Gene No.	22406	Strand	-
Start	8647	End	10768
Name	OJ990520_27.9922.C4.o2.tm	Method	TBLASTX:Maize
Start	10228	End	10581
GI	none	Score	49
Exons	10228..10581, 10235..10267, 10243..10575, 10313..10576		

Seq. No.	10563	Seq. ID	OJ990520_27.9922.C4
Gene No.	22406	Strand	-
Start	8647	End	10768
Name	OJ990520_27.9922.C4.o3.tw	Method	TBLASTX:Wheat
Start	10228	End	10654
GI	none	Score	228
Exons	10228..10578, 10228..10653, 10235..10654		

Seq. No.	10563	Seq. ID	OJ990520_27.9922.C4
Gene No.	22406	Strand	-
Start	8647	End	10768
Name	OJ990520_27.9922.C4.o3.ts	Method	TBLASTX:Soybean
Start	10399	End	10644
GI	none	Score	210
Exons	10399..10644		

Seq. No.	10564	Seq. ID	OJ990520_27.9922.C5
Gene No.	22407	Strand	+
Start	130	End	895
Name	OJ990520_27.9922.C5.o1.gs	Method	GENSCAN
Start	130	End	895
GI	none	Score	.41
Exons	130..269, 641..759, 831..895		

Seq. No.	10565	Seq. ID	OJ990520_27.9922.C6
Gene No.	22408	Strand	+
Start	978	End	5729
Name	OJ990520_27.9922.C6.o1.gp	Method	AAT/GAP
Start	978	End	1363
GI	uC-osflcyp033a04b1	Score	629
Exons	978..1363		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	10565	Seq. ID	OJ990520_27.9922.C6
Gene No.	22408	Strand	+
Start	978	End	5729
Name	OJ990520_27.9922.C6.o1.gs	Method	GENSCAN
Start	1083	End	5717
GI	none	Score	.4
Exons	1083..1148, 2615..3934, 4435..4678, 4827..4949, 5488..5717		

Seq. No.	10565	Seq. ID	OJ990520_27.9922.C6
Gene No.	22408	Strand	+
Start	978	End	5729
Name	OJ990520_27.9922.C6.o2.np	Method	AAT/NAP
Start	2594	End	5729
GI	4680179	Score	618
Exons	2594..3453, 3616..3853, 5696..5729		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	10565	Seq. ID	OJ990520_27.9922.C6
Gene No.	22408	Strand	+
Start	978	End	5729
Name	OJ990520_27.9922.C6.o3.np	Method	AAT/NAP
Start	3796	End	5729
GI	130582	Score	43
Exons	3796..3895, 5632..5729		
GI Descrip.	RETROVIRUS-RELATED POL POLYPROTEIN FROM TRANSPOSON TNT 1-94 [CONTAINS: PROTEASE ; REVERSE TRANSCRIPTASE ; ENDONUCLEASE] gi|100342|pir||S04273 hypothetical protein - common tobacco gi|20045|emb|CAA32025| (X13777) ORF [Nicotiana tabacum]		

Seq. No.	10565	Seq. ID	OJ990520_27.9922.C6
Gene No.	22409	Strand	-
Start	1	End	1265
Name	OJ990520_27.9922.C6.o1.np	Method	AAT/NAP
Start	1	End	1265
GI	5852180	Score	224
Exons	1..49, 101..218, 1212..1265		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	10565	Seq. ID	OJ990520_27.9922.C6
Gene No.	22410	Strand	
Start	2837	End	3433
Name	OJ990520_27.9922.C6.o1.tw	Method	TBLASTX:Wheat
Start	2837	End	3193
GI	none	Score	280
Exons	2837..3193, 2839..3192		

Seq. No.	10565	Seq. ID	OJ990520_27.9922.C6
Gene No.	22410	Strand	
Start	2837	End	3433
Name	OJ990520_27.9922.C6.o1.tm	Method	TBLASTX:Maize
Start	3077	End	3376
GI	none	Score	225
Exons	3077..3376, 3091..3180		

Seq. No.	10565	Seq. ID	OJ990520_27.9922.C6
Gene No.	22410	Strand	

Start	2837	End	3433
Name	OJ990520_27.9922.C6.o2.tw	Method	TBLASTX:Wheat
Start	3194	End	3433
GI	none	Score	174
Exons	3194..3433		

Seq. No.	10566	Seq. ID	OJ990520_27.9922.C7
Gene No.	22411	Strand	+
Start	92	End	1376
Name	OJ990520_27.9922.C7.o1.gs	Method	GENSCAN
Start	92	End	1376
GI	none	Score	.93
Exons	92..168, 762..853, 925..1376		

Seq. No.	10566	Seq. ID	OJ990520_27.9922.C7
Gene No.	22411	Strand	+
Start	92	End	1376
Name	OJ990520_27.9922.C7.o1.np	Method	AAT/NAP
Start	911	End	1373
GI	5902446	Score	623
Exons	911..1373		
GI Descrip.	(AB030283) orf5 [Oryza sativa]		

Seq. No.	10566	Seq. ID	OJ990520_27.9922.C7
Gene No.	22412	Strand	-
Start	1704	End	2179
Name	OJ990520_27.9922.C7.o2.gs	Method	GENSCAN
Start	1704	End	1909
GI	none	Score	.89
Exons	1704..1909		

Seq. No.	10566	Seq. ID	OJ990520_27.9922.C7
Gene No.	22412	Strand	-
Start	1704	End	2179
Name	OJ990520_27.9922.C7.o2.np	Method	AAT/NAP
Start	1707	End	2179
GI	5902445	Score	246
Exons	1707..1876, 2150..2179		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	10567	Seq. ID	OJ990520_27.9922.C8
Gene No.	22413	Strand	+
Start	1375	End	2112
Name	OJ990520_27.9922.C8.o1.gs	Method	GENSCAN
Start	1375	End	2112
GI	none	Score	.87
Exons	1375..2112		

Seq. No.	10567	Seq. ID	OJ990520_27.9922.C8
Gene No.	22414	Strand	+
Start	3310	End	5542
Name	OJ990520_27.9922.C8.o2.gs	Method	GENSCAN
Start	3310	End	5542
GI	none	Score	.59
Exons	3310..3390, 4637..4910, 4950..5542		

Seq. No.	10567	Seq. ID	OJ990520_27.9922.C8

Gene No.	22415	Strand	+
Start	6520	End	6902
Name	OJ990520_27.9922.C8.o1.gp	Method	AAT/GAP
Start	6520	End	6902
GI	uC-osflcyp033a04b1	Score	684
Exons	6520..6902		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	10567	Seq. ID	OJ990520_27.9922.C8
Gene No.	22416	Strand	-
Start	5930	End	13059
Name	OJ990520_27.9922.C8.o3.gs	Method	GENSCAN
Start	5930	End	12913
GI	none	Score	.65
Exons	5930..6055, 6193..6240, 7544..10261, 10367..10535, 10632..11427, 11437..12267, 12508..12913		

Seq. No.	10567	Seq. ID	OJ990520_27.9922.C8
Gene No.	22416	Strand	-
Start	5930	End	13059
Name	OJ990520_27.9922.C8.o1.np	Method	AAT/NAP
Start	7597	End	13059
GI	5922631	Score	6027
Exons	7597..10017, 10624..11551, 11618..11773, 11816..12379, 12425..12627, 12877..13059		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	10567	Seq. ID	OJ990520_27.9922.C8
Gene No.	22416	Strand	-
Start	5930	End	13059
Name	OJ990520_27.9922.C8.o4.tm	Method	TBLASTX:Maize
Start	7619	End	7852
GI	none	Score	191
Exons	7619..7852		

Seq. No.	10567	Seq. ID	OJ990520_27.9922.C8
Gene No.	22416	Strand	-
Start	5930	End	13059
Name	OJ990520_27.9922.C8.o6.tw	Method	TBLASTX:Wheat
Start	7622	End	8065
GI	none	Score	83
Exons	7622..8065, 7818..7925, 7974..8060		

Seq. No.	10567	Seq. ID	OJ990520_27.9922.C8
Gene No.	22416	Strand	-
Start	5930	End	13059
Name	OJ990520_27.9922.C8.o5.tm	Method	TBLASTX:Maize
Start	7856	End	8123
GI	none	Score	53
Exons	7856..7936, 7946..8029, 7959..8033, 8024..8122, 8025..8123		

Seq. No.	10567	Seq. ID	OJ990520_27.9922.C8
Gene No.	22416	Strand	-
Start	5930	End	13059
Name	OJ990520_27.9922.C8.o3.tw	Method	TBLASTX:Wheat
Start	8067	End	8449
GI	none	Score	222
Exons	8067..8444, 8069..8449, 8207..8449		

Seq. No.	10567	Seq. ID	OJ990520_27.9922.C8
Gene No.	22416	Strand	-
Start	5930	End	13059
Name	OJ990520_27.9922.C8.o1.tm	Method	TBLASTX:Maize
Start	8225	End	8587
GI	none	Score	67
Exons	8225..8272, 8226..8273, 8244..8543, 8264..8587, 8277..8567		

Seq. No.	10567	Seq. ID	OJ990520_27.9922.C8
Gene No.	22416	Strand	-
Start	5930	End	13059
Name	OJ990520_27.9922.C8.o9.tw	Method	TBLASTX:Wheat
Start	8543	End	8884
GI	none	Score	133
Exons	8543..8710, 8738..8884		

Seq. No.	10567	Seq. ID	OJ990520_27.9922.C8
Gene No.	22416	Strand	-
Start	5930	End	13059
Name	OJ990520_27.9922.C8.o5.tw	Method	TBLASTX:Wheat
Start	8900	End	9322
GI	none	Score	242
Exons	8900..9322, 8910..9314		

Seq. No.	10567	Seq. ID	OJ990520_27.9922.C8
Gene No.	22416	Strand	-
Start	5930	End	13059
Name	OJ990520_27.9922.C8.o2.ts	Method	TBLASTX:Soybean
Start	8943	End	9331
GI	none	Score	146
Exons	8943..9323, 8945..9187, 9227..9331		

Seq. No.	10567	Seq. ID	OJ990520_27.9922.C8
Gene No.	22416	Strand	-
Start	5930	End	13059
Name	OJ990520_27.9922.C8.o2.tw	Method	TBLASTX:Wheat
Start	9359	End	9788
GI	none	Score	162
Exons	9359..9787, 9360..9788		

Seq. No.	10567	Seq. ID	OJ990520_27.9922.C8
Gene No.	22416	Strand	-
Start	5930	End	13059
Name	OJ990520_27.9922.C8.o1.ts	Method	TBLASTX:Soybean
Start	9557	End	9958
GI	none	Score	42
Exons	9557..9958, 9591..9761, 9798..9941		

Seq. No.	10567	Seq. ID	OJ990520_27.9922.C8
Gene No.	22416	Strand	-
Start	5930	End	13059
Name	OJ990520_27.9922.C8.o3.tm	Method	TBLASTX:Maize
Start	9710	End	10093
GI	none	Score	146
Exons	9710..10093, 9711..9989		

Seq. No.	10567	Seq. ID	OJ990520_27.9922.C8
Gene No.	22416	Strand	-
Start	5930	End	13059
Name	OJ990520_27.9922.C8.o1.tw	Method	TBLASTX:Wheat
Start	9833	End	10252
GI	none	Score	248
Exons	9833..10252, 9834..10250, 9842..10252		

Seq. No.	10567	Seq. ID	OJ990520_27.9922.C8
Gene No.	22416	Strand	-
Start	5930	End	13059
Name	OJ990520_27.9922.C8.o2.tm	Method	TBLASTX:Maize
Start	10121	End	10477
GI	none	Score	208
Exons	10121..10477, 10131..10436		

Seq. No.	10567	Seq. ID	OJ990520_27.9922.C8
Gene No.	22416	Strand	-
Start	5930	End	13059
Name	OJ990520_27.9922.C8.o3.ts	Method	TBLASTX:Soybean
Start	10202	End	10567
GI	none	Score	122
Exons	10202..10339, 10343..10567		

Seq. No.	10567	Seq. ID	OJ990520_27.9922.C8
Gene No.	22416	Strand	-
Start	5930	End	13059
Name	OJ990520_27.9922.C8.o4.tw	Method	TBLASTX:Wheat
Start	10283	End	10642
GI	none	Score	244
Exons	10283..10642, 10284..10628		

Seq. No.	10567	Seq. ID	OJ990520_27.9922.C8
Gene No.	22416	Strand	-
Start	5930	End	13059
Name	OJ990520_27.9922.C8.o7.tw	Method	TBLASTX:Wheat
Start	10850	End	11251
GI	none	Score	192
Exons	10850..11251, 10869..11189		

Seq. No.	10567	Seq. ID	OJ990520_27.9922.C8
Gene No.	22416	Strand	-
Start	5930	End	13059
Name	OJ990520_27.9922.C8.o8.tw	Method	TBLASTX:Wheat
Start	11801	End	12203
GI	none	Score	111
Exons	11801..12202, 11934..12203		

Seq. No.	10568	Seq. ID	OJ990520_27.9922.C9

Gene No.	22417	Strand	+
Start	124	End	737
Name	OJ990520_27.9922.C9.o1.gs	Method	GENSCAN
Start	124	End	737
GI	none	Score	.55
Exons	124..226, 571..737		

Seq. No.	10568	Seq. ID	OJ990520_27.9922.C9
Gene No.	22418	Strand	-
Start	1	End	765
Name	OJ990520_27.9922.C9.o1.np	Method	AAT/NAP
Start	1	End	765
GI	5902445	Score	1041
Exons	1..765		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	10568	Seq. ID	OJ990520_27.9922.C9
Gene No.	22418	Strand	-
Start	1	End	765
Name	OJ990520_27.9922.C9.o1.tw	Method	TBLASTX:Wheat
Start	85	End	461
GI	none	Score	56
Exons	85..189, 86..190, 188..208, 225..461, 298..417		

Seq. No.	10568	Seq. ID	OJ990520_27.9922.C9
Gene No.	22418	Strand	-
Start	1	End	765
Name	OJ990520_27.9922.C9.o1.tm	Method	TBLASTX:Maize
Start	142	End	467
GI	none	Score	165
Exons	142..189, 175..447, 201..467		

Seq. No.	10568	Seq. ID	OJ990520_27.9922.C9
Gene No.	22418	Strand	-
Start	1	End	765
Name	OJ990520_27.9922.C9.o2.tw	Method	TBLASTX:Wheat
Start	465	End	755
GI	none	Score	125
Exons	465..563, 618..755		

Seq. No.	10569	Seq. ID	OJ990520_27.9922.C11
Gene No.	22419	Strand	+
Start	1	End	672
Name	OJ990520_27.9922.C11.o1.np	Method	AAT/NAP
Start	1	End	672
GI	4544372	Score	339
Exons	1..518, 579..672		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	10569	Seq. ID	OJ990520_27.9922.C11
Gene No.	22419	Strand	+
Start	1	End	672
Name	OJ990520_27.9922.C11.o2.tw	Method	TBLASTX:Wheat
Start	9	End	149
GI	none	Score	185
Exons	9..149, 14..109		

Seq. No.	10569	Seq. ID	OJ990520_27.9922.C11
Gene No.	22419	Strand	+
Start	1	End	672
Name	OJ990520_27.9922.C11.o1.tm	Method	TBLASTX:Maize
Start	45	End	506
GI	none	Score	602
Exons	45..506, 45..278, 194..505		

Seq. No.	10569	Seq. ID	OJ990520_27.9922.C11
Gene No.	22419	Strand	+
Start	1	End	672
Name	OJ990520_27.9922.C11.o1.gs	Method	GENSCAN
Start	60	End	538
GI	none	Score	.74
Exons	60..399, 442..538		

Seq. No.	10569	Seq. ID	OJ990520_27.9922.C11
Gene No.	22419	Strand	+
Start	1	End	672
Name	OJ990520_27.9922.C11.o1.tw	Method	TBLASTX:Wheat
Start	150	End	575
GI	none	Score	227
Exons	150..506, 474..575, 476..571		

Seq. No.	10569	Seq. ID	OJ990520_27.9922.C11
Gene No.	22419	Strand	+
Start	1	End	672
Name	OJ990520_27.9922.C11.o1.ts	Method	TBLASTX:Soybean
Start	192	End	661
GI	none	Score	220
Exons	192..473, 227..484, 474..659, 515..661		

Seq. No.	10570	Seq. ID	OJ990520_27.9922.C12
Gene No.	22420	Strand	-
Start	1	End	643
Name	OJ990520_27.9922.C12.o1.np	Method	AAT/NAP
Start	1	End	522
GI	4836930	Score	258
Exons	1..522		
GI Descrip.	(AC006085) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	10570	Seq. ID	OJ990520_27.9922.C12
Gene No.	22420	Strand	-
Start	1	End	643
Name	OJ990520_27.9922.C12.o1.gs	Method	GENSCAN
Start	11	End	643
GI	none	Score	.64
Exons	11..94, 344..643		

Seq. No.	10570	Seq. ID	OJ990520_27.9922.C12
Gene No.	22420	Strand	-
Start	1	End	643
Name	OJ990520_27.9922.C12.o1.tw	Method	TBLASTX:Wheat
Start	32	End	424
GI	none	Score	180
Exons	32..88, 113..424		

Seq. No.	10570	Seq. ID	OJ990520_27.9922.C12
Gene No.	22420	Strand	-
Start	1	End	643
Name	OJ990520_27.9922.C12.o1.ts	Method	TBLASTX:Soybean
Start	65	End	346
GI	none	Score	57
Exons	65..301, 65..346		

Seq. No.	10570	Seq. ID	OJ990520_27.9922.C12
Gene No.	22420	Strand	-
Start	1	End	643
Name	OJ990520_27.9922.C12.o1.tm	Method	TBLASTX:Maize
Start	113	End	466
GI	none	Score	216
Exons	113..466		

Seq. No.	10571	Seq. ID	OJ990520_27.9922.C13
Gene No.	22421	Strand	+
Start	91	End	584
Name	OJ990520_27.9922.C13.o1.gs	Method	GENSCAN
Start	91	End	584
GI	none	Score	.45
Exons	91..297, 302..402, 476..584		

Seq. No.	10571	Seq. ID	OJ990520_27.9922.C13
Gene No.	22422	Strand	-
Start	1	End	1473
Name	OJ990520_27.9922.C13.o1.np	Method	AAT/NAP
Start	1	End	1473
GI	5852179	Score	257
Exons	1..353, 428..628, 1453..1473		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	10571	Seq. ID	OJ990520_27.9922.C13
Gene No.	22423	Strand	-
Start	1776	End	4323
Name	OJ990520_27.9922.C13.o2.np	Method	AAT/NAP
Start	1776	End	4323
GI	2832636	Score	91
Exons	1776..1861, 4084..4323		
GI Descrip.	(AL021711) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	10571	Seq. ID	OJ990520_27.9922.C13
Gene No.	22424	Strand	-
Start	11179	End	23894
Name	OJ990520_27.9922.C13.o6.tm	Method	TBLASTX:Maize
Start	4169	End	4356
GI	none	Score	145
Exons	4169..4354, 4169..4354, 4171..4356		

Seq. No.	10571	Seq. ID	OJ990520_27.9922.C13
Gene No.	22424	Strand	-
Start	11179	End	23894
Name	OJ990520_27.9922.C13.o5.tm	Method	TBLASTX:Maize
Start	11176	End	17449
GI	none	Score	64

Exons	11176..11274, 11182..11292, 11290..11358, 11344..11400, 17204..17302, 17210..17320, 17318..17386, 17334..17399, 17372..17449		

Seq. No.	10571	Seq. ID	OJ990520_27.9922.C13
Gene No.	22424	Strand	-
Start	11179	End	23894
Name	OJ990520_27.9922.C13.o3.gs	Method	GENSCAN
Start	11179	End	23894
GI	none	Score	.43
Exons	11179..11772, 11929..12012, 12262..12670, 13421..13685, 13728..13994, 17365..17578, 17714..18761, 19448..19712, 19755..20745, 20974..21164, 21198..21387, 21475..21495, 21589..21822, 22110..22775, 23742..23894		

Seq. No.	10571	Seq. ID	OJ990520_27.9922.C13
Gene No.	22424	Strand	-
Start	11179	End	23894
Name	OJ990520_27.9922.C13.o3.ts	Method	TBLASTX:Soybean
Start	11194	End	17467
GI	none	Score	47
Exons	11194..11400, 11198..11233, 11309..11395, 17222..17467, 17226..17267, 17337..17423		

Seq. No.	10571	Seq. ID	OJ990520_27.9922.C13
Gene No.	22424	Strand	-
Start	11179	End	23894
Name	OJ990520_27.9922.C13.o3.np	Method	AAT/NAP
Start	11200	End	20532
GI	5902445	Score	1399
Exons	11200..12486, 17522..17608, 18793..20532		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	10571	Seq. ID	OJ990520_27.9922.C13
Gene No.	22424	Strand	-
Start	11179	End	23894
Name	OJ990520_27.9922.C13.o4.tw	Method	TBLASTX:Wheat
Start	11215	End	17659
GI	none	Score	58
Exons	11215..11400, 11471..11614, 11491..11631, 17243..17467, 17519..17659		

Seq. No.	10571	Seq. ID	OJ990520_27.9922.C13
Gene No.	22424	Strand	-
Start	11179	End	23894
Name	OJ990520_27.9922.C13.o4.ts	Method	TBLASTX:Soybean
Start	11782	End	18205
GI	none	Score	86
Exons	11782..12177, 11900..12076, 17810..18205, 17910..18104		

Seq. No.	10571	Seq. ID	OJ990520_27.9922.C13
Gene No.	22424	Strand	-
Start	11179	End	23894
Name	OJ990520_27.9922.C13.o4.tm	Method	TBLASTX:Maize
Start	12031	End	18412
GI	none	Score	214
Exons	12031..12384, 18059..18412		

Seq. No.	10571	Seq. ID	OJ990520_27.9922.C13
Gene No.	22424	Strand	-
Start	11179	End	23894
Name	OJ990520_27.9922.C13.o2.tw	Method	TBLASTX:Wheat
Start	12835	End	19296
GI	none	Score	34
Exons	12835..13119, 13180..13269, 18862..19152, 18947..19048, 19079..19153, 19207..19296		

Seq. No.	10571	Seq. ID	OJ990520_27.9922.C13
Gene No.	22424	Strand	-
Start	11179	End	23894
Name	OJ990520_27.9922.C13.o1.ts	Method	TBLASTX:Soybean
Start	12892	End	19342
GI	none	Score	75
Exons	12892..13140, 12902..13015, 13171..13314, 13181..13315, 18925..19167, 18929..19042, 19082..19168, 19198..19341, 19208..19342		

Seq. No.	10571	Seq. ID	OJ990520_27.9922.C13
Gene No.	22424	Strand	-
Start	11179	End	23894
Name	OJ990520_27.9922.C13.o2.ts	Method	TBLASTX:Soybean
Start	13466	End	19962
GI	none	Score	67
Exons	13466..13612, 13468..13653, 13643..13900, 13654..13935, 19493..19639, 19495..19680, 19670..19927, 19681..19962		

Seq. No.	10571	Seq. ID	OJ990520_27.9922.C13
Gene No.	22424	Strand	-
Start	11179	End	23894
Name	OJ990520_27.9922.C13.o3.tw	Method	TBLASTX:Wheat
Start	13552	End	19959
GI	none	Score	205
Exons	13552..13653, 13621..13926, 19579..19680, 19657..19959		

Seq. No.	10571	Seq. ID	OJ990520_27.9922.C13
Gene No.	22424	Strand	-
Start	11179	End	23894
Name	OJ990520_27.9922.C13.o1.tm	Method	TBLASTX:Maize
Start	13621	End	20109
GI	none	Score	320
Exons	13621..14082, 13622..13933, 13830..14081, 13849..14082, 19648..20109, 19649..19960, 19857..20075, 19876..20109		

Seq. No.	10571	Seq. ID	OJ990520_27.9922.C13
Gene No.	22424	Strand	-
Start	11179	End	23894
Name	OJ990520_27.9922.C13.o1.tw	Method	TBLASTX:Wheat
Start	13950	End	20385
GI	none	Score	80
Exons	13950..14087, 13951..14205, 14002..14205, 14018..14209, 14109..14207, 19977..20075, 20027..20377, 20029..20256, 20032..20385, 20051..20368		

Seq. No.	10571	Seq. ID	OJ990520_27.9922.C13

Gene No.	22424	Strand	-
Start	11179	End	23894
Name	OJ990520_27.9922.C13.o2.tm	Method	TBLASTX:Maize
Start	14083	End	20325
GI	none	Score	115
Exons	14083..14205, 14084..14212, 20110..20325, 20111..20323		

Seq. No.	10571	Seq. ID	OJ990520_27.9922.C13
Gene No.	22424	Strand	-
Start	11179	End	23894
Name	OJ990520_27.9922.C13.o5.ts	Method	TBLASTX:Soybean
Start	20179	End	20547
GI	none	Score	138
Exons	20179..20313, 20329..20547		

Seq. No.	10571	Seq. ID	OJ990520_27.9922.C13
Gene No.	22424	Strand	-
Start	11179	End	23894
Name	OJ990520_27.9922.C13.o3.tm	Method	TBLASTX:Maize
Start	22509	End	22877
GI	none	Score	69
Exons	22509..22727, 22606..22722, 22752..22877, 22753..22860		

Seq. No.	10572	Seq. ID	OJ990520_27.9922.C14
Gene No.	22425	Strand	+
Start	1012	End	1393
Name	OJ990520_27.9922.C14.o2.gp	Method	AAT/GAP
Start	1012	End	1393
GI	uC-osflcyp033a04b1	Score	647
Exons	1012..1393		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	10572	Seq. ID	OJ990520_27.9922.C14
Gene No.	22426	Strand	-
Start	1	End	5998
Name	OJ990520_27.9922.C14.o2.np	Method	AAT/NAP
Start	1	End	3627
GI	4263543	Score	43
Exons	1..32, 2126..2280, 3600..3627		
GI Descrip.	(AC006250) putative Athila retroelement ORF1 protein [Arabidopsis thaliana]		

Seq. No.	10572	Seq. ID	OJ990520_27.9922.C14
Gene No.	22426	Strand	-
Start	1	End	5998
Name	OJ990520_27.9922.C14.o1.np	Method	AAT/NAP
Start	945	End	5998
GI	4680186	Score	370
Exons	945..1145, 1985..2036, 5945..5998		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	10573	Seq. ID	OJ990520_27.9922.C15
Gene No.	22427	Strand	+
Start	185	End	3805
Name	OJ990520_27.9922.C15.o1.gs	Method	GENSCAN
Start	185	End	3805